October 31, 2006

File: 74330.03

Rich Williams
State of California
Department of Transportation
District 3, Program Project Management
2800 Gateway Oaks Dr, MS-19
Sacramento, California 95833

SUBJECT: Phase II Environmental Site Assessment

Kings Beach Commercial Core Improvement Project

State Highway 28

Kings Beach, California

03-PLA-28-14.8/16.5(PM 9.2-10.3)

EA-03-0C9300

References: Final Initial Site Assessment (ISA), For Kings Beach Commercial Core Improvement Project, State Highway 28 From Chipmunk Street to State Highway 267, Kings Beach, California, by MACTEC, dated April 4, 2006

Revised Work Plan, Phase II Environmental Site Assessment, Kings Beach Commercial Core Improvement Project, State Highway 28, Kings Beach, California, by Kleinfelder, Inc., dated September 5, 2006.

Dear Mr. Williams:

Kleinfelder is pleased to provide the results of our Phase II Environmental Site Assessment for the above referenced project. The right-of way in front of eight parcels was investigated during this site assessment by drilling 15 soil borings to depths of 10 feet below ground surface (bgs) and collecting and analyzing soil samples.

In general, soils contained petroleum hydrocarbons to depths of 2.0 to 3.0 feet in the right-of-way adjacent to all parcels investigated with the exception of the Former

Shell/Chevron station. At the Former Shell/Chevron station soil contained petroleum hydrocarbons at depths below 8.0 feet.

The right-of-way adjacent to all other parcels investigated with the exception of Dave's Ski Shop contained soil impacted with petroleum hydrocarbons to depths of 5.0 feet.

Selected soil samples were also analyzed for total lead. Results indicate that the soils are considered non-hazardous and can be transported and disposed of as petroleum-containing soils at a Class II landfill licensed to accept these soils.

If you have any questions or need additional information, please contact the undersigned in our Reno office.

Sincerely,

KLEINFELDER, INC.

David J. Herzog, C.E.G. Senior Engineering Geologist Joshua P. Fortmann, P.G. Project Geologist

Attachments: Work Plan

cc: Ms. Alicia Beyer, Department of Transportation

Mr. Lupe Jimenez, Department of Transportation

Mr. Dan LaPlante, Placer County DPW (2)

Mr. John Reid, Placer County Environmental Health Services

PHASE II ENVIRONMENTAL SITE ASSESSMENT KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT STATE HIGHWAY 28 KINGS BEACH, CALIFORNIA 03-PLA-28-14.8/16.5(PM 9.2-10.3) EA-03-0C9300

October 31, 2006

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PHASE II ENVIRONMENTAL SITE ASSESSMENT KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT STATE HIGHWAY 28 KINGS BEACH, CALIFORNIA 03-PLA-28-14.8/16.5(PM 9.2-10.3) EA-03-0C9300

1 INTRODUCTION

The Kings Beach Commercial Core Improvement Project will install sidewalks, roadway improvements, and water quality treatment facilities along the north and south sides of Highway 28 from Chipmunk Street to Highway 267 in Kings Beach, California. At this time, the preferred alternative for roadway alignment has not been chosen and the locations of the roadway improvements and water quality treatment facilities are not known. Sidewalk construction will require excavation and disposal of soil to depths of approximately 2.0 feet below ground surface (bgs) throughout the project site located generally within the State of California Department of Transportation right-of-way. Installation of water quality improvements and replacement/installation of traffic light and street light foundations may require excavation and disposal of soil to depths of 10 feet bgs.

The purpose of this Phase II Environmental Assessment was to evaluate soil for the presence of contaminants that would require special handling and disposal. Parcels with releases of petroleum compounds to the subsurface including current and historic gasoline service stations, and historic gasoline service stations that had underground storage tanks (USTs) removed in the past with little documentation are potential sources of contaminated soil. The right-of-way in front of eight parcels was selected for investigation as discussed in the referenced revised work plan.

These eight parcels are listed below according to increasing address number along North Lake Boulevard (Highway 28) from west to east and are shown in the Site Plan, Plate 1.

- 1. Beacon-Station, 8070 N. Lake Blvd, APN 117-180-012
- 2. Dave's Ski Shop/Former King's Beach Mobil Station, 8299 N. Lake Boulevard, APN 090-071-029
- Chevron Station/Former Shell Station, 8369 N. Lake Boulevard, APN 090-075-017

- 4. Kentucky Fried Chicken/Former Union 76 Station, 8697 N. Lake Boulevard, APN 090-133-010, 011
- 5. Subway/ Former Arco Station, 8700 N. Lake Boulevard, APN 090-134-030
- 6. Show Place Home Furnishings, 8731 N. Lake Boulevard, APN 090-192-031
- 7. Ronning Property/"Unnamed Repair Shop/Former Chevron Station", 8784 N. Lake Boulevard, APN 090-071-013, -014, and -020
- 8. King's Beach Swiss Mart/Former Chevron Station, 8797 N. Lake Boulevard, APN 090-192-041

2 ASSESSMENT ACTIVITIES

2.1 PRE-DRILLING ACTIVITIES

An encroachment permit was obtained from Caltrans and is included in Appendix A.

A soil boring permit was obtained from Placer County Environmental Health Services (PCEHS) and is included in Appendix A.

The proposed drilling locations were marked for inspection and utility clearance by Underground Service Alert (USA). A private utility locator, Nevada Underground Location used geophysical equipment to further verify the location of utilities.

A Site Health and Safety Plan was prepared containing the route to the hospital, potential chemical and physical hazards, personnel protective equipment required, and personnel training requirements. A Health and Safety meeting was held prior to the start of drilling.

2.2 VACUUM TRUCK DRILLING

Based on the close proximity of utility lines (less than 24 inches in accordance with USA) to six proposed boring locations (B-2, B-3, B-4, B-5, B-7, and B-8), vacuum truck drilling technology was used to clear these six drilling locations on September 25, 2006. A jackhammer was used to penetrate the asphalt concrete (AC) surface to a depth of four to six inches bgs and create a 12-inch diameter hole. A vacuum truck was then used to remove drill cuttings to a depth of approximately five feet bgs at these six locations. The vacuum truck drilling ceased prior to collecting soil samples for analysis using a hand auger at the required sample depths of 1.0 and 4.0 feet bgs. Soil samples were placed in laboratory-supplied 500 milliliter glass jars with Teflon-lined caps, sealed, placed in an ice chest, and submitted under chain-of-custody protocols to a California-certified laboratory, Alpha Analytical, Inc.

Photoionization detector (PID) readings were collected at approximately one-foot intervals, were noted on the boring logs provided in Appendix B, and visual, and/or olfactory evidence of hydrocarbons were also noted on the boring logs.

2.3 GEOPROBE DRILLING

Geoprobe borings B-1, B-6, and B-9 through B-15 were advanced from ground surface to a total depth of 10 feet bgs at the locations shown in Plate 1 on September 25 and 26, 2006. Geoprobe borings B-2 through B-5, and B-7 were advanced from below the vacuum truck boring depth of 4.0 to 5.0 feet bgs to a total depth of 10.0 feet bgs on September 25, 2006. Geoprobe boring B-8 was advanced from below the vacuum truck boring depth of 3.5 feet bgs to a total depth of 5.0 feet due to practical refusal on September 25, 2006. PID readings, visual, and/or olfactory evidence of hydrocarbons were noted on the boring logs. A one-inch diameter continuous soil sample was obtained at each location, stored in plastic liners, and sealed with plastic caps.

Soil borings were backfilled with cement grout after drilling per PCEHS regulations. Backfilling procedures were witnessed by a PCEHS inspector.

2.4 SOIL SAMPLING AND ANALYSIS

A PID meter was utilized to detect the presence of total petroleum hydrocarbons (TPH) in soil. A portion of the soil sample at one-foot intervals was placed in a plastic zip-lock bag and sealed. The sealed plastic bag containing the selected soil sample was placed in a warm location for a minimum of five minutes and the headspace in the bag was monitored with a PID. PID readings were noted on the boring log. The portion of each soil sample from which there was a PID indication of TPH was transferred into laboratory-supplied glass containers and placed in a cooler with ice pending transportation to the laboratory for chemical analyses utilizing standard chain-of-custody (COC) procedures.

Up to three soil samples from borings B-1 through B-15 were submitted for laboratory analysis. If no PID readings were detected above background, and no visual or olfactory evidence of hydrocarbons was noted, one soil sample from a depth of 1.0 to 2.0 feet bgs, the second from a depth of 4.0 to 5.0 feet bgs, and the third from a depth of 9.0 to 10.0 feet bgs or immediately above groundwater was submitted for laboratory analysis. If PID readings above background, visual, or olfactory evidence of hydrocarbons were noted, samples were submitted from those depths for laboratory analysis. Groundwater samples were not collected.

Each soil sample analyzed was prepared by cutting the plastic liner, capping both ends of the liner, labeling, placing in an ice chest, and submitted under COC protocols to a California-certified laboratory.

The sampling equipment was decontaminated between borings by washing with an Alconox and distilled water solution and triple-rinsing with distilled water to prevent cross-contamination of soil samples. In compliance with the Caltrans statewide Storm Water Permit, all rinsate remained within Caltrans Right of Way and was not allowed to enter storm drains.

Each soil sample from borings B-1 through B-15 was analyzed for total petroleum hydrocarbons-diesel (TPH-diesel), TPH-oil, and TPH-gasoline by EPA Method 8015M; and benzene, toluene, ethyl benzene and total xylenes (BTEX) by EPA Method 8260. Boring B-11, adjacent to APN 090-192-031 was also analyzed for volatile organic compounds by EPA Method 8260 as this site was a former dry cleaner.

Eight soil samples with the highest TPH concentrations (B-2@1-2 ft, B-6@8-9 ft, B-9@2-3 ft, B-10@4-5 ft, B-11@4-5 ft, B-12@4-5 ft, B-13@2-3 ft, and B-15@4-5 ft) were also analyzed for total lead in general accordance with EPA Method 6010B. Since none of the total lead concentrations exceeded 50 mg/kg, no samples were analyzed for concentrations of soluble lead using the Waste Extraction Test (WET). The laboratory performing chemical analyses is certified by the California Department of Health Services (DHS) for the following laboratory test methods: EPA Method 8015M, EPA Method 8260, and EPA Method 6010B.

Laboratory reports are provided in Appendix C.

2.5 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

Laboratory quality assurance (QA)/quality control (QC) procedures consisted of:

- One sample analyzed in duplicate for every ten samples, batch of samples, or type of matrix, whichever is more frequent. Five duplicate samples were analyzed.
- One method blank for every twenty samples, batch of samples, or type of matrix, whichever is more frequent. Three method blanks were analyzed.
- One laboratory control spike for every twenty samples, batch of samples, or type of matrix, whichever is more frequent. Three laboratory control spikes were analyzed.
- One sample matrix spike for every twenty samples, batch of samples, or type of matrix, whichever is more frequent, with the spike made at ten times the detection limit or at the analyte level. Three sample matrix spikes were analyzed.
- One sample matrix spike duplicate for every twenty samples, batch of samples, or type of matrix, whichever is more frequent, with the spike made at ten times

the detection limit or at the analyte level. Three sample matrix spike duplicates were analyzed.

Laboratory QA/QC results are provided in Appendix C.

3 ASSESSMENT RESULTS

3.1 SUBSURFACE CONDITIONS

The Geologic Map of the Lake Tahoe Basin (Saucedo, 2005) indicates that the area explored is underlain by Holocene-age lake deposits consisting of thinly bedded sandy silt and clay. The Soil Survey of the Lake Tahoe Basin (U.S. Soil Conservation Service, 1974) indicates that the area explored is primarily underlain by Jabu stony sandy loam, moderately fine soil variant, 2 to 9% slopes (JhC). This soil is mapped as consisting of a thin surface layer of stony sandy loam overlying loam, sandy clay loam, and old lake sediments of clay loam texture.

Subsurface conditions encountered during this investigation are presented in the boring logs in Appendix B. Soils encountered were consistent with the geologic map and soil survey and were composed of interbedded layers of brown, reddish brown, and dark brown silty sand, silty gravel, gravelly sand, clayey sand, and sandy gravel above the seasonal high groundwater level. Below the seasonal high groundwater level, soils encountered consisted of grayish brown and gray silty sand and clayey sand with mottles of reddish brown and strong brown.

Petroleum odors were noted in borings B-3, B-6, B-12, and B-14. Slightly elevated PID readings were noted in borings B-2, B-3, B-5, and B-10. High PID readings were noted in borings B-6 and B-14 at depths below 8 feet bgs. No discoloration of soil was visually noted.

All borings penetrated to the design depth of 10.0 feet bgs with the exception of boring B-8 that encountered a very dense sandy gravel layer at a depth of 5.0 feet bgs. Three attempts were made to advance the boring in the vicinity of B-8 with no further progress made.

3.2 LABORATORY RESULTS

Laboratory results are summarized in Table 1 and presented in Appendix C. Laboratory results are discussed by parcel. The Eastern Regional Landfill in Truckee, California can only accept clean fill materials for disposal. Therefore, any detectable concentration of TPH in soil will require disposal at an alternate location.

1. Beacon-Station, 8070 N. Lake Blvd, APN 117-180-012

Boring B-1 at depths of 1.0 and 4.0 feet bgs and boring B-2 at a depth of 1.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 15 to 200 milligrams per kilogram (mg/Kg). The total lead concentration from boring B-2 at a depth of 1.0 feet bgs was 11 mg/Kg.

2. Dave's Ski Shop/Former King's Beach Mobil Station, 8299 N. Lake Boulevard, APN 090-071-029

Borings B-3 and B-4 at depths of 1.0 feet bgs contained low concentrations of TPH in the diesel and oil ranges at concentrations ranging from 10 to 63 mg/Kg.

3. Chevron Station/Former Shell Station, 8369 N. Lake Boulevard, APN 090-075-017

Boring B-6 at a depth of 8.0 feet bgs contained TPH-purgeable at a concentration of 340 mg/Kg, ethylbenzene at a concentration of 800 micrograms per kilogram (vg/Kg) and total xylenes at a concentration of 2,790 vg/Kg. The total lead concentration from this sample was 4.7 mg/Kg.

4. Kentucky Fried Chicken/Former Union 76 Station, 8697 N. Lake Boulevard, APN 090-133-010, 011

Boring B-7 at a depth of 6.0 feet bgs contained a very low concentration of TPH-diesel of 6 mg/Kg that is slightly above the detection limit of 5 mg/Kg. Boring B-8 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 8.7 to 40 mg/Kg.

5. Subway/Former Arco Station, 8700 N. Lake Boulevard, APN 090-134-030

Borings B-9 and B-10 at depths of 2.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 17 to 1,300 mg/Kg. Boring B-10 at a depth of 4.0 feet bgs also contained very low concentrations of ethylbenzene and total xylenes. Boring B-10 at a depth of 7.0 feet bgs contained TPH in the oil range at a concentration of 34 mg/Kg. The total lead concentration from these samples ranged from 6.0 to 7.1 mg/Kg.

6. Show Place Home Furnishings, 8731 N. Lake Boulevard, APN 090-192-031

Boring B-11 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 76 to 4,900 mg/Kg. The total lead concentration in the sample from 4.0 feet bgs was 25 mg/Kg.

7. Ronning Property/"Unnamed Repair Shop/Former Chevron Station", 8784 N. Lake Boulevard, APN 090-071-013, -014, and -020

Boring B-12 at depths of 1.0, 3.0, and 4.0 feet bgs and boring B-13 at a depth of 2.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 26 to 4,100 mg/Kg. The total lead concentration from these samples ranged from 3.2 to 3.8 mg/Kg.

8. King's Beach Swiss Mart/Former Chevron Station, 8797 N. Lake Boulevard, APN 090-192-041

Boring B-14 at a depth of 1.0 feet bgs and boring B-13 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 16 to 2,900 mg/Kg. The total lead concentration from a sample from boring B-15 was 2.8 mg/Kg.

3.3 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The effectiveness of the QA/QC program is measured by the quality of data generated by the laboratory. Data quality is judged in terms of its Precision, Accuracy, Representativeness, Completeness, and Comparability (PARCC) parameters, as described in the following section.

Precision

Precision is a measure of the reproducibility of analyses under a given set of conditions, and can be assessed by replicate measurements of duplicate control samples, reference materials, or environmental samples.

The laboratory measured the comparison of precision by calculating the Relative Percent Difference (RPD) between sample matrix spike (MS) and MS duplicate QC samples. The RPD between the two duplicate samples was used to estimate precision, and was calculated as follows:

$$RPD = \frac{|D_1 - D_2|}{(D_1 + D_2)/2} \times 100$$

Where:

RPD = relative percent difference

D1 = first sample value

D2 = second sample value (duplicate)

The laboratory calculated MS/MSD RPD are summarized in the QC Summary Report, Appendix C. The calculated RPD range for soil samples and field QC duplicates analyzed for TPH was 0% to 200% and for VOCs 0%. These RPD indicate a level of precision that is most likely a result of soil sample matrix variation.

Accuracy

Accuracy is a determination of how close the measurement is to the true value. Accuracy can be assessed using laboratory control samples (LCS), standard reference materials, or spiked environmental samples. The laboratory monitored accuracy by comparing MS, MSD, LCS, and surrogate spike recovery results with control limits identified in EPA SW846. QC limits were met for all QC samples, with the exceptions listed in the QC Summary Reports (Appendix C) and discussed in Section 3.3.1.

Representativeness

Representativeness is a qualitative parameter that reflects the extent to which a given sample is characteristic of a given population at a specific location or under a given environmental condition. Representativeness is best satisfied by making certain that sampling locations are selected properly, a sufficient number of samples are collected, and an appropriate sampling technique is employed. Variations at a sampling point were evaluated based on the results of field duplicates.

Sampling locations, number of samples collected, and appropriate sampling techniques were employed as specified in the revised work plan. Variation at sampling points, based on the field duplicate sample results, was observed for soil samples. This appears to be a result of soil sample matrix variation, and does not appear to indicate a poor representativeness of the soil samples.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared with the amount that was expected to be obtained under normal conditions. To be considered complete, the data set must contain all analytical results and data specified for the project. In addition, all data were compared to project requirements to ensure that specifications were met. Completeness was evaluated by comparing the project objectives to the quality and quantity of the data collected to determine if any deficiencies exist. Missing data can result from any number of circumstances ranging from sample acquisition and accessibility problems to sample breakage and rejection of analytical data because of quality control deficiencies. Completeness was quantitatively assessed as the percent of controlled QC parameters that are within limits. The minimum requirement for completeness for all QC parameters, except holding times, is 80%. The requirement for holding times is 100%.

The percent completeness for each set of samples was calculated as follows:

Completeness =
$$\frac{valid\ data\ obtained}{total\ data\ analyzed}$$
 x 100%

Valid data is defined as those data points that are not qualified as rejected. No data were rejected, so the percent completeness for all QC parameters is 100%.

Comparability

Comparability expresses the confidence with which one data set can be compared to another data set measuring the same property. To ensure comparability, field procedures were standardized and field operations adhered to procedures outlined in the revised work plan. Laboratory data comparability was assured by use of established and approved analytical methods, consistency in the basis of analysis (wet weight, volume, etc.), and consistency in reporting units (mg/Kg, ug/Kg, etc.).

3.3.1 Data Review and Validation

The QA Manager supervised data quality assessment tasks. Kleinfelder evaluated and documented measurement data to monitor consistency with DQOs, to quantitatively assess data quality, and to identify potential limitations to data use.

Kleinfelder reviewed field and analytical laboratory data generated for this project as described below. Chain of custody documentation met QC requirements. Holding time compliance was met for all samples. QC limits were met for all QC samples, with the exceptions listed in the QC Summary Reports for TPH-extractable in the diesel range.

The exceptions appear to be the result of soil sample heterogeneity, as the laboratory control sample recovery was acceptable. The analytical sample results do not appear to have been influenced by outlier QC sample results. After reviewing the QC data that did not fall within QC limits and the analytical results, the assessment is that the project data quality is acceptable.

4 CONCLUSIONS AND RECOMMENDATIONS

In general, soils contained petroleum hydrocarbons to depths of 2.0 to 3.0 feet in the right-of-way adjacent to all parcels investigated with the exception of the Former Shell/Chevron station (APN 090-075-017). At the Former Shell/Chevron station soil contained petroleum hydrocarbons at depths below 8.0 feet.

The right-of-way adjacent to all other parcels investigated with the exception of Dave's Ski Shop (APN 090-071-029) contained soil impacted with petroleum hydrocarbons to depths of 5.0 feet.

Selected soil samples were also analyzed for total lead. Results indicate that the soils are considered non-hazardous and can be transported and disposed of as petroleum-containing soils at a Class II landfill licensed to accept these soils such as the Norcal Waste System's Ostrom Road Landfill in Wheatland, California or the Allied Waste Inc's. Forward Landfill in Manteca, California. Since the TPH concentration in soils are greater than 600 mg/Kg, these soils cannot be disposed of at the Lockwood Landfill in Mustang, Nevada. Another option for soil disposal is by incineration at the Nevada Thermal, Inc. facility in Mustang, Nevada. Costs for disposal at these facilities are generally \$15/ton at the Ostrom Road Landfill, \$21/ton at the Forward Landfill, and \$50/ton at Nevada Thermal, Inc.

Based on the laboratory results, it is our opinion that right-of-way acquisition of a portion of the Beacon (APN 117-180-012), Dave's Ski Shop (APN 090-071-029) and Kentucky Fried Chicken (APN 090-133-010) properties should be performed by procuring an easement rather than purchase due to the potential for future environmental liability.

TABLES

Table 1 Summary of Soil Analyses Kings Beach Commercial Core Improvement Project

Site Name	APN	Boring		TPH-Diesel	TPH-Oil	TPH-Purgeable	BTEX	VOCs	Total Lead
			feet	mg/Kg	mg/Kg	mg/Kg	υg/Kg	υg/Kg	mg/Kg
Beacon	117-180-012	B-1	1.0	21	99	<4	<20	NA	NA
			4.0	15 <5	56 <10	<4 <4	<20 <20		NA NA
			9.0	<5	<10	<u> </u>	<20	NA.	NA
		B-2	1.0	29	200	<4	<20	NA	11
		D-Z	4.0	<5	×10	<2	<10	NA NA	NA NA
		DÜP 1	8.0		×10		<5	NA NA	
		<u> </u>	9.0		<10	<2	<10		NA NA
			0.0		- 10	-	1,0	140 (
Dave's Ski	090-071-029	B-3	1.0	<5	16	<2	<10	NA	NA
541000111	0000,,000		4.0	<5	<10		<5	NA.	NA.
			9.0	<5	<10		<10	NA	NA
		B-4	1.0	10	63	<2	<10	NA	NA
			4.0	<5	<10	<2	<10		NA
			8.0	<5	<10		<10	NA	NA
		DUP 2	9.0	<5	<10	<1	<5	NA	NA
	ĺ								1
Former Shell	090-075-017	B-5	1.0	<5	<10	<1	<5	NA	NA
Current Chevron			5.0	<5	<10	<1	<10	NA	NA
			9.0	<5	<10	<1	<5	ŅA	NA
		B-6	2.0	<5	<10	<1	<5		NA NA
			5.0	<5	<10	<1	<5		NA
			8.0	<5	<10	340	800 E; 2,790 X	NA	4.7
								.,	
	090-133-010/011	B-7	1.0	<5	<10		<5	NA	NA NA
Chicken			6.0	6	<10	<2	<5		NA NA
			9.0	<5	<10	<2	<5	NA NA	NA NA
			ļ						
		B-8	1.0	8.7	40	<2	<10		NA NA
			4.0	5	18	<2	<10	NA	NA
	200 101 200								ļ
Subway	090-134-029	B-9	2.0	31	330		<10		6
			4.0	17	140	<2	<10		NA NA
			9.0	<5	<10	<1	<5	NA	NA NA
		B-10	2.0	<5	32	<1	<5	N/A	NIA.
		D-10	4.0	120	1,300				NA 7,10
			7.0	- 120 <5	34	<1	3.1 L., 10 ^		NA
			7.0	·	04	*1	,,	NA	INA
Show Place	090-192-031	B-11	1.0	76	590	<2	<10	ND	NA
OHOW I RACE	000-102-001		4.0	700	4,700		<20	ND	25
		DUP 5	5.0	<5	<10		<10		
			9.0	<5	<10	<2	<10		
			7.0			122	- 10	1,10	
Ronning	090-221-014/021	B-12	1.0	26	160	<2	<10	NA	NA
		DUP 4	3.0	200	1,300		<10		NA NA
			4.0	36	200		<10		3.2
			9.0	<5	<10		<5		
		B-13	2.0	270	4,100	<2	<10	NA	3.8
		DUP 3	3.0	<5	<10	<2	<10	NA	NA
			4.0	<5	<10	<1	<5	NA	NA
			9.0	<5	<10	<1	<5		NA
Swiss Mart	090-192-041	B-14	1.0	16	130	<4	<20		NA
Chevron			3.0	<5	<10			NA	NA
			9.0	<5	<10	<1	<5	_ NA	
		B-15	1.0	100	660		11 E; 34 X		NA
			4.0	370	2,900		52 X		2.8
			9.0	<5	<10	<1	<5	NA	NA.

TPH = total petroleum hydrocarbons BTEX = benzene, toluene, ethylbenzene, total xylenes

NA = Not Analyzed

ND = Not Detected, detection limit varied from 1@g/Kg to 40vg/Kg

PLATES

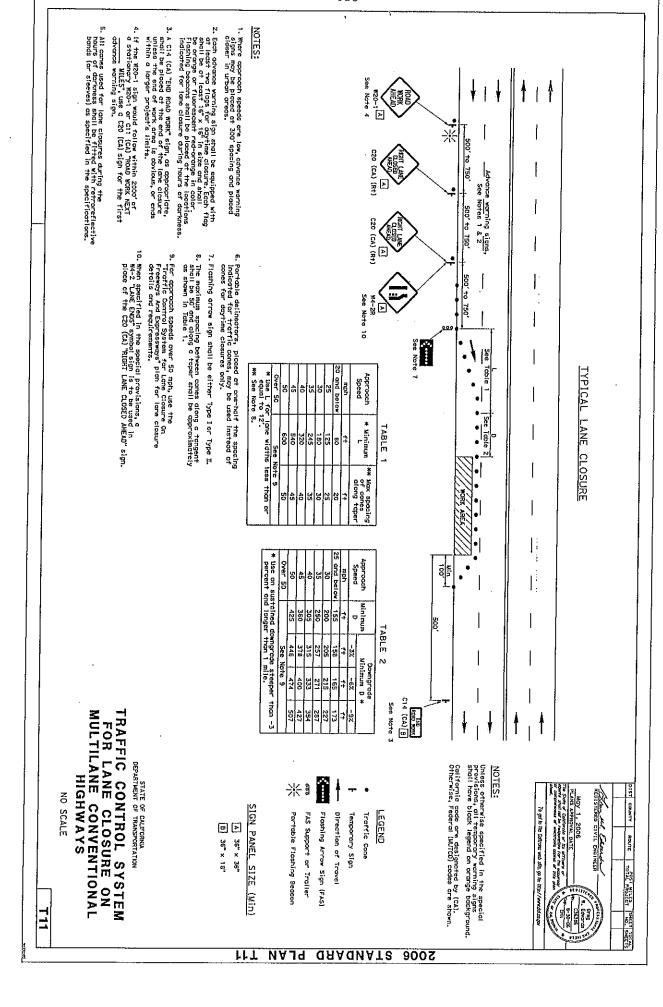
APPENDIX A

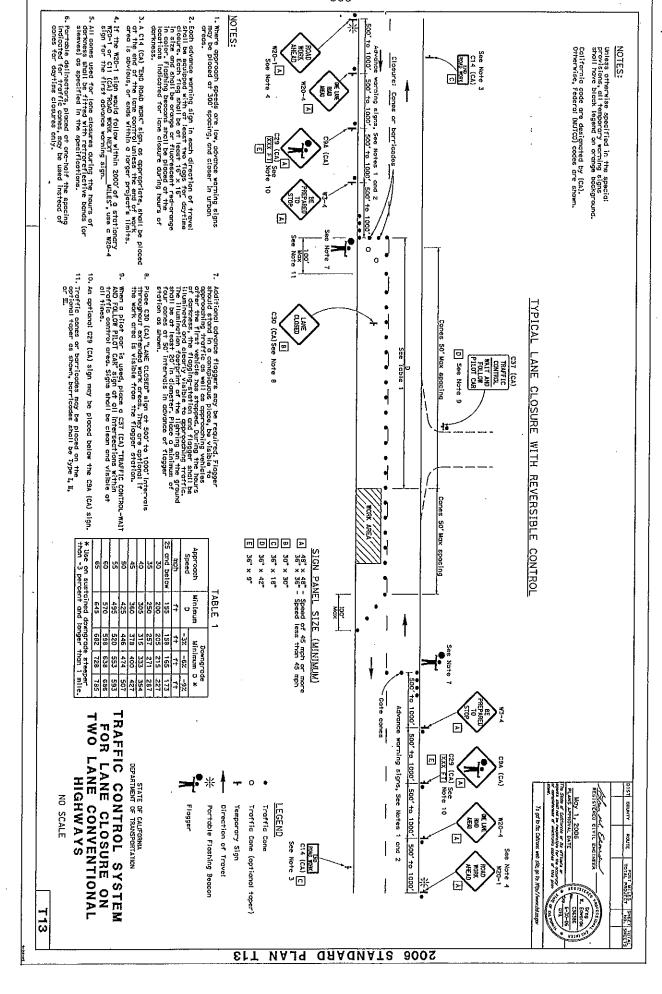
Permits

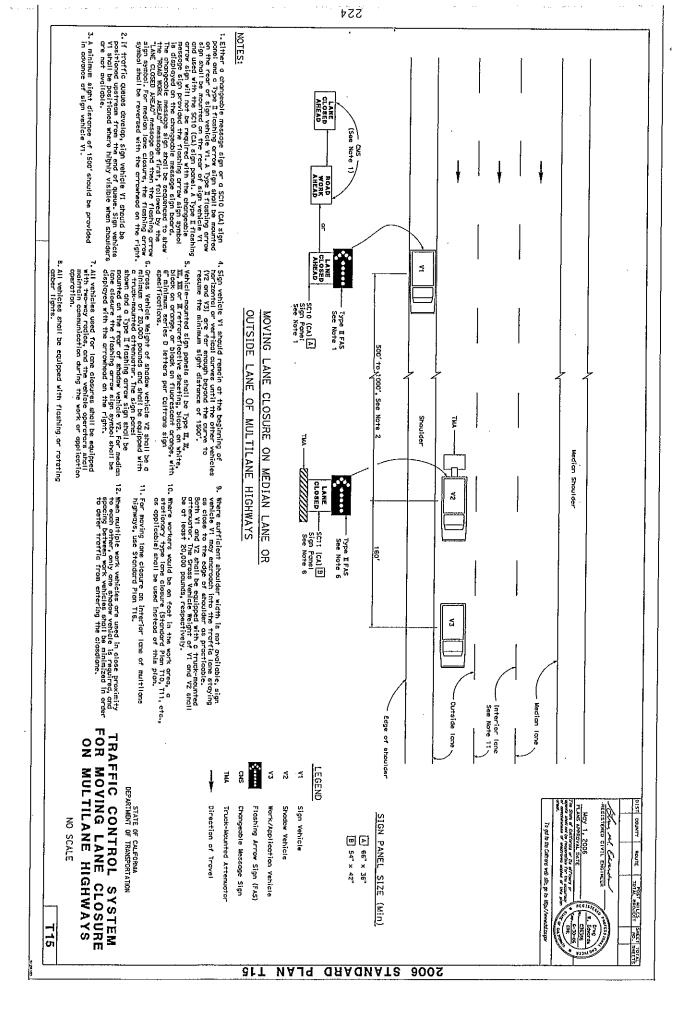
ENCROACHMENT PE TR-0120 (REV 6/200)	RIMENT OF TRANSPORTATION	Permit No. 0306-NS	/0685		 		
In compliance with (Check	one):	Dist/Co/Rte/PM 03-PLA-28-9.34/10.68					
52	Sontombor 6 2006	Date September 19, 2006					
Your application of	September 6, 2006	Fee Paid		Deposit	ur.		
Utility Notice No.	of	\$ Exempt Performance B \$ N/A	ond Amount (1)	\$ N/A Payment B	and Amount (2)		
Agreement No.	of		,	2,41,4			
RW Contract No.	of	Bond Number ((1)	Bond Numb	per (2)		
Placer County De c/o Kleinfelder, Inc 4835 Longley Lan Reno, NV 89502 Attn: David Herze 775-689-78	e og	Ref No	D. PERMITTEE	1			
The holes need to be filled as An approval from USA (Under Permittee shall contact State prior to commencing work, to All work shall be conducted at the work permitted herein, the	Dia, 10 feet deep along the shoulde per the satisfaction of Caltrans represented the satisfaction of Caltrans represented to the satisfaction of Caltrans represented to the satisfaction of Caltranse shall fill out and mail the	esentative. fore digging the holes.) 582-8133 Cellular (53 ir notification before re- altrans representative. Notice of Completion a	30) 755-6688, starting work Immediately ttached to thi	SEVEN (7) v shall be stric r following co	lly adhered to		
·	also included as part of this permit (C			fee, the perm	uittee will		
		песк аррисавіе).	be billed act		ntice win		
☐ Yes ☐ No Utility ☐ Yes ☐ No Speci ☐ Yes ☐ No A Call ☐ Yes ☐ No As-Bu	ral Provisions Maintenance Provisions al Provisions TRAFFIC CONTROL -OSHA permit, if required: Permit No. iilt Plans Submittal Route Slip for Loca Water Pollution Protection Plan	ally Advertised Projects	☐ Yes ☐ Yes ☒ Yes (If any Ca	⊠ No ⊠ No □ No	Review Inspection Field work xpended)		
☐ Yes ⊠ No	The information in the environmental approval of this permit.	documentation has bee	n reviewed an	d considered	prior to		
This permit is void unless the w	vork is completed before	December 1,	2006				
No project work shall be comm	strued and no other work other than sp enced until all other necessary permit	pecifically mentioned is and environmental cle	hereby author arances have	ized. been obtaine	ed		
Ron Mills P.O. Box 579	APPRO	OVED: //					
Truckee, CA 96160	JOE	ON JONES, District Direct	01				
(530) 582-8133 Cellular (530)		1) MIT	Fa				
co: Stan Pichine Maint Sutte	A\		of Encros				

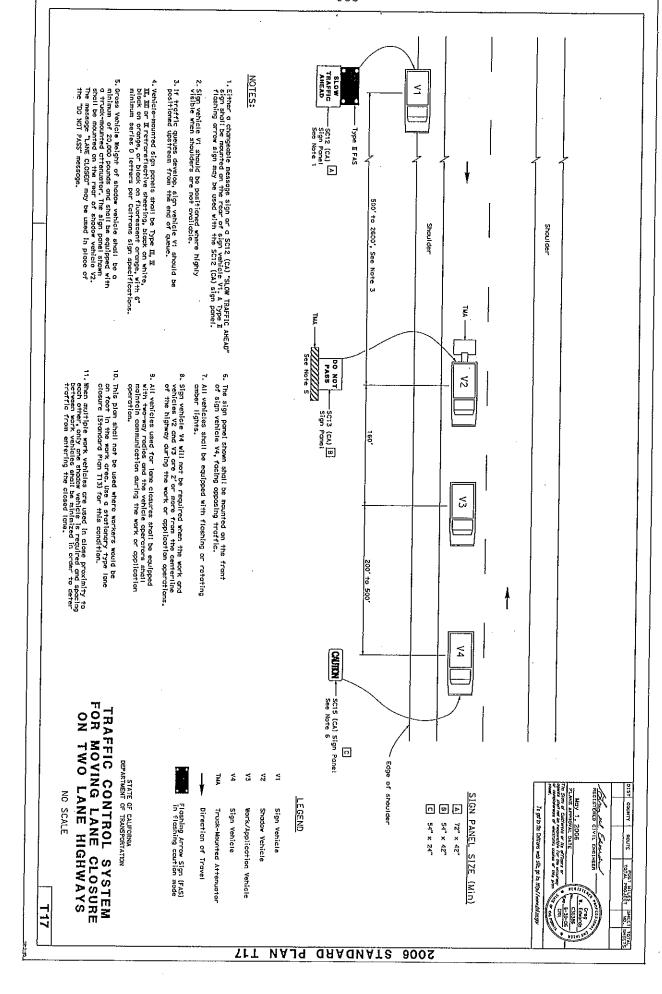
ADA Notice For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 653-3657 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

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- AUTHORITY: The Department's suffortly to issue encroachment permits is provided under, Div. 1, Chpt. 3, Art. 1, Sect. 660 to 134 of the Streets and Highways Code.
- use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittees' joint notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These REVOCATION: Encroachment permits are revocable on five days
- DENIAL FOR NONPAYMENT OF FEES: Failure to pay permit fees when due can result in rejection of future applications and denial
- ASSIGNMENT: No party other than the permittee or permittee's authorized agent is silowed to work under this permit.
- agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit. ACCEPTANCE OF PROVISIONS: Permittee understands and
- otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise BEGINNING OF WORK: When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless
- Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as highway right of way shall conform to recognized construction STANDARDS OF CONSTRUCTION: All work performed within "Permittee and Department representative." E and current Department Standard Specifications,
 Standard Plans High and Low Risk Facility
- PLAN CHANGES: Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State
- mentioring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained. INSPECTION AND APPROVAL: All work is subject to
- 5 er a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work PERMIT AT WORKSITE: Permittee shall keep the permit package
- Ħ CONFLICTING ENCROACHIVENTS: Permittee shall yield start of work to ongoing, prior authorized, work adjacent to 'or wiftin the first of the project sit. When existing encroamments conflict with new work, the jointilize shall bear 'all cost for restruigements, (e.g., relocation, attention, removal, etc.). relocation, alteration, removal, etc.).

17. (PUC), California Occupational Safety and Health Administration if the permittee has not obtained all permits necessary and required by PERMITS FROM OTHER AGENCIES: This permit is invalidated (Cal-OSHA), or any other public agency having jurisdiction law, from the Public Utilities Commission of the State of California

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- Ħ passageway of 4° (1.21 meter) shall be maintained through the work area at existing pedestrian or bicycle facilities. At no time shall the nearest crosswalk or intersection to detour pedestrians to facilities provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at traffic. At locations where safe alternate passageways cannot pedestrians be diverted onto a portion of the street used for vehicular PEDESTRIAN AND BICYCLIST SAFETY: A safe minimum
- **1**4. than or different from, as required by law. systems. These General Provisions are not intended to impose upon the MUTCD and CA Supplement (Part 6, Temporary Traffic Control), Standard Plans, and Standard Specifications for traffic control public's safety. Day and night time lane closures shall comply with devices, etc., and take all other measures necessary for traveling PUBLIC TRAFFIC CONTROL: As required by law, the permittee shall provide traffic control protection warning signs, lights, safety permittee, by third parties, any duty or standard of care, greater
- ij conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the MUTCD and CA Supplement (Chapter 6E, Flagger Control). to the traveling public; traffic shall not be unreasonably delayed. On plan and conduct work so as to create the least possible inconvenience MINIMUM INTERFERENCE WITH TRAFFIC: Pemittee shall
- ᇊ made yielding, it should be shielded by a guardrail or a crash cushion. way, unless specified within the Special Provisions of this specific conventional highways (with ourbs)- 0.5 m. If a fixed object cannot be freeways and expressways-9 m, conventional highways (no crebs)-6: m. Design Manual. The clear recovery zone widths must be followed and are the minimum desirable for the type of facility indicated below: Specifications, Standard Plans, Special Provisions, and the Highway the equipment and material storage shall comply with Standard for the storage of equipment or materials within the State right of way, encroschment permit. If Encroschment Permit Special Provisions allow equipment or materials is not allowed within State highway right-of-STORAGE OF EQUIPMENT AND MATERIALS: The storage of climinated, moved outside the clear recovery zone, or modified to be
- 7 for any work interfering with an existing draining facility in compliance with the Standard Specifications, Standard Plais indoor as directed by the Department's representative. CARE OF DRAINAGE: Permittee shall provide alternate drainage
- 5. RESTORATION AND REPAIRS IN RIGHT OF WAY. Femilites to exponsible the restoration and repair of State litelihory right of way resulting from permitted work (State Streets and Figures). Code, Sections 670 et. seq.).
- 9 RIGHT OF WAY CLEAN UP: Upon completion of work, permittee shall relative and dispose of all scrapes, brisis, timber materials, etc. off the right of way, the aesthetics of the injurying shall be as it was before were suited.

- 20. COST OF WORK: Unless stated in the permit, or a separate written the State right of way and waives all claims for indemnification or agreement, the permittee shall bear -all costs incurred for work within
- Ħ ACTUAL COST-BILLING: When specified in the permit the hourly rate for encroachment permits. Department will bill the permittee actual costs at the currently set
- AS-BUILT: PLANS: When required; permittee shall submittone (1) set of se-built plans, within, thirty; (36) days, after completion and approval of work in compliance with requirements listed as follows:

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EUTURE MOVING OF INSTALLATIONS: Permittee understands

- I. Upon completion of the work provided herein, the permittee shall sand one vellum or paper set of As-Built plans, to the State, representative, Mylan, or paper septe plans are not acceptable.

 All changes in the work will be shown on the plans, as issued.
- Permit Rider. with the permit, including changes approved by Encroachment
- State stamp, or Calirans representative signature, shall-be used for producing the As-Built plans.
 HAS-Built plans include signing or striping, the dates of 3. The plans are to be stamped or otherwise noted AS-BULT by the permitter's representative who was responsible for overseeing the work. Any original plan that was approved with
- staged construction on separate sheets, the sitest for each stage shall show the removal, relocation or installation dates of the When the construction plans show signing and striping for signing or striping removal, relocation, or installation shall be shown on the plans when required as a condition of the permit.
- appropriate staged striping and signing.

 5. As-Built plans shall contain the Permit Number, County, Route,
- Post Mile, and Kilometer Position on each sheet.

 6. Disclaimer statement of any kind that differ from proper plans are submitted: Failure to comply may also result in denial of future permits, or a provision requiring, a public agency to supply additional bonding. requirements, and may result in the Department of Transportation retaining Performance Bonds or deposits until constitute non-compliance with not be included on the As-Built plans. Such statements 6735.6 of the California Business and Professions Code, shall Disclaimer statement of any kind that differ from the obligations and protections provided by Sections 6735 through Encreachment Permit
- ij coords of work. The Permittee's prior rights, shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit issued to the permittee for the purpose of providing a notice and PERMITS FOR RECORD PURPOSES ONLY: When work in the Consent to Common Use Agreement (CCUA), a fee exempt permit is right of way is within an area under a Joint Use Agreement (JUA) or a
- 14 BONDING: The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping of all work and revoking permit(s). Bonds are not required of public corporations. conspletion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond project construction work done of State property will not be directly funded and graid by State, for the purpose of protecting stop notice claimants and the interests of State practice to successful project completion, the local agency permittee agrees to require the provision and conditions under a prior permit. The suirely company is responsible for any latent defects as provided in Cultibratia Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that or privately owned utilities, unless permittee failed to comply with the

- project construction work The local agency also agrees to remedy, in a limely manner and to State's satisfaction; any, latent defects occurring, as a nesult of the claims by contractors and all stop notice or mechanic's lien claimants. State, its officers and employees from all project construction related Specifications before performing any project construction work: The requirements set-forth in Section 3-1.02 of State's current Standard in the local agency's name, with both bonds complying with the local agency permittee shall defend, indemnify, and hold harmiess the
- ĸ ARCHAEOLOGICAL/HISTORICAL: If my archaeological or a prior agreement, JUA; or a OCUA; shall comply with said request. work on the highway. The permittee at his sole expense, unless under and agrees to rearrange a permitted installation upon requestly; the Department, for . State construction, reconstruction, or maintenance
- recommendations to the Department representative regarding the shall immediately stop work, notify the Department's representative, retain: a qualified archaeologist. who shall evaluate the site, and make continuance of work historical resources are revealed in the work vicinity, the permittee
- require permittee's contractors and subcontractors, to pay appropriate prevailing wages as set by the Department of Industrial Relations, inquiries, or requests for interpretations relative to endorcement of. provailing, wage-requirements are: directed to State-of-California-Department of Industrial Kelations, \$25 Golden Gate, Avenier, San PREVALIDIG WAGES: Workperformed by or under a permit may Francisco, California 94102.
- RESPONSIBILITY, JOJA, DANKG GE, The State of Collinions and all officers and employees thereof, including the most immediate in Direction of Theorems and employees thereof, including the most immediate that the Depthy Director, abilition, in answerable of accommission and many manner for injurying springing of present including that not finded to the permitter persons on properly from any cause. The permitter state of the permitter, persons entirely to the permitter, persons entirely to properly from any cause. The permitter can be properly from any cause. The permitter is the permitter of the permitter persons employed by the permitter, persons of the permitter of the permitter, persons employed by and permitter, persons permitter, and the permitter of the following permitter, permitter, and the permitter of 12
- The prequite state informally, and says, impriess the best of California, all different employees and Shark, continuous firms, unbuffing his not immed to the Districts of Tamper through the pure Directs, from all things must on pricess of engine through the description brought become necessary of money to or destinate and description brought become necessary of money to or destinate and and description brought become necessary of money persons, melitaing plut not indicate the specialities persons, including plut not indicate to the permitter persons, entirely not not and of the permitter, persons entire in behalf of the permitter, and as properly considing from the permitter, and the permitter of the permitter obstantions of from any cases, which cover during the progress of the work, or other sectivity or at any subsequent time, work or other sectivity, as gloring to quarter the collections proportion by and contemplated by the permit, canaginar otherwise provided by seams,

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The day of the permittee to indemnity and save termines inclines the duries to defend as set forth in Section, 27% of the Civil Code. The

		kuu	CHOOKY OUDINI	aigrage (a)	02/1/207 PAGE 82
Receipt #: NA Descriming Amt Hygles Check # NA	i Tahoe Ofi	Placer C Department of Health Environmental F 1454 B Ave., Auburn CA Sice: P O Box 1909, Taho	1. SR # <u>34614</u> 2. SR #		
By: 5R Date: 07/06/06 TO BE FILLED OUT BY ENVIRONMENTAL HEALTH DEPT		UST/SOLID WAS Permit Appli ELL CONSTRUCTI	FE PROGRAMS		3. SR # 4. SR # 5. SR # 6. SR #
***WELL D	ESTGN	ATIONS AS	SHOWNO	N DI O	TO BE FILL ED OUT BY ENVIRUTE DE
Well ID 1	B-15	2. Well ID 5. Well ID	SHOWN	3. Well ID 6. Well ID	LILAN
Project Name LINGS BEACH SIDE Well Owner (project owner) STATE OF CALLYOR Consultant's Name DAND HILLOG "/ K Consultant's Registration CE 6 129	KIA- LENKERGE	Project Address HIGHWAY 23 Well Owner Address OBSX 911 Consultant's Address 4735		71 5 6	141-440-2
Well Site Address Property Owners Name and Property Owners Signature	E acknowledg KNOWLEI Dad this application Address	ement below or attach co	pics of access agreem F-SITE PROPER	Telephone Date	R See Attached
SÜBMITTED SIGNATÜRE MUST	BE ORIGINAL				
☐ Groundwater Monitoring ☐ Water Extraction	,				umber)
□ Vapor Extraction		□ Well Destruction			-
□ Gas Probe		□ Vadose/Lysimeter			
PURPOSE OF WELL (if not exp	plained in Wo	rkplan)			
		Construction Spe	cifications:		
Well Specifications and site Well Specifications and site Prepared by		•	9/5/06		
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NCROACHMENT PE	RMII	Permit No. 0306-NSVO	685	<u></u>	
n compliance with (Check	one):	DISUCORIE/PM 03-PLA-28-	9.34/10.68		
TODITORITE WAY		Date September	19, 2006		
Your application of	September 6, 2006	Fee Pald		Deposit	
- Logi abbuogram or		\$ Exempt		şN/A	
Utility Notice No.	of	Performance Bon	d Amount (1)	PRYMISH: Bond	Amount (2)
Agreement No	of	\$ N/A Bond Company		\$ N/A	
 	,	Bond Number (1)		Bond Number	(2)
RM Contract No.	of	Build Names (1)			
TO: Placer County De c/o Kleinfelder, Ir 4835 Longley Lai	_	Ref No.			
Reno, NV 89502 Attn: David Herz 775-689-7		٦,	ERMITTEE		
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KLEINFELDER, INC



OFFICE OF THE Placer County Health & Human Services ENVIRONMENTAL HEALTH SERVICES

11454 "B" Avenue, Auburn, CA 95603 (530) 745-2300, FAX (530) 886-3344

WELL DRILLER'S AUTHORIZATION LETTER Cuncelled 09/25/66. HIGHWAY Site Address: KINOS City, Zip: Western Strata Exploration Inc. Well Driller: Driller's Address: P.O. Box 657 City, Zip: Clarksburg, Ca. 95612 Driller's Phone #: 916-744-1440 C-57 License # 57-552198

Expiration Date: ___

For the sole purpose of procuring permits for the construction, modification, repair, or destruction of wells or soil borings. I hereby designate the following entity(ies) to act as my authorized representatives:

Namc(s): Сотраду: Address:

City, Zip:

I understand that, as the applicant for permit for activities regulated under Subchapter 8 of the Placer County Code, I am responsible for compliance with all provisions of the Chapter. I further understand that upon written notification to the Division of Environmental Health, I may rescind this authorization:

Signature of Licensed Well Driller.

Printed Name: Gordon Jensen

CHAL DJ

DRILLING CONTRACTOR INFORMATION AND CERTIFICATION

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OFFICE OF THE Placer County Health & Human Services ENVIRONMENTAL HEALTH SERVICES

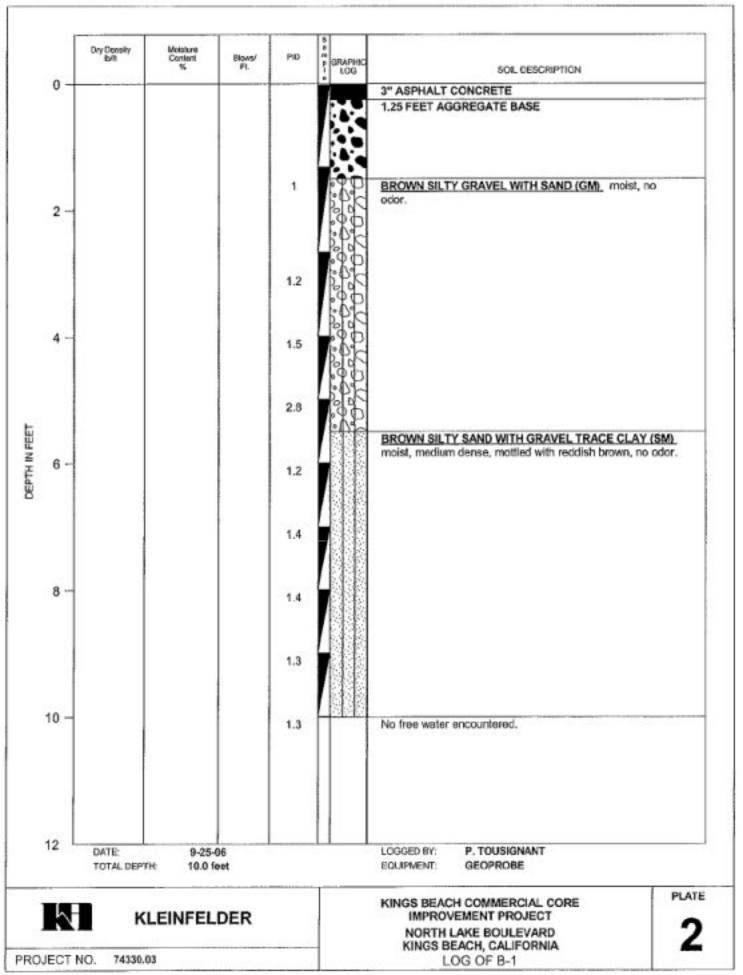
11454 "B" Avenue, Auburn, CA 95603 (530) 745-2300, FAX (530) 886-3344

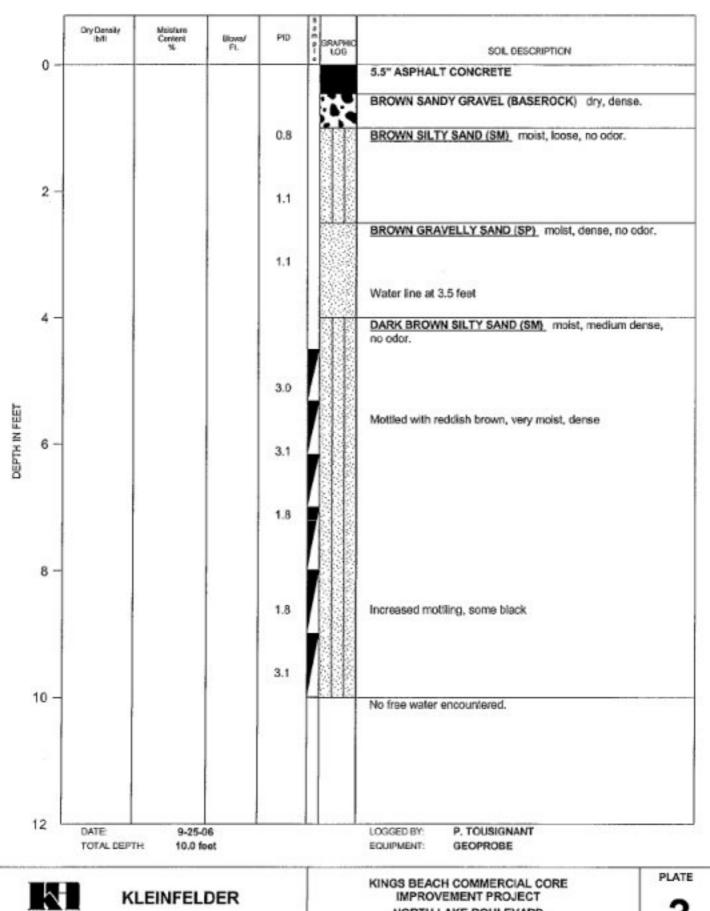
WELL DRILLER'S AUTHORIZATION LETTER

Site Address: tings Beach Sidewalk Project, North Lake Boulevard (Highling 28)
City, Zip: Kings Beach 96143
Well Driller: Eca Inc.
Driller's Address: 605 WEST Like Blud. #3 (P.O. Box 52)
City, Zip: Tuly 2 City 7 G/45
Driller's Phone #: (530) 581-6240
C-57 License #: 695970 Expiration Date: $9(3008)$
For the sole purpose of procuring permits for the construction, modification, repair, or destruction of wells or soil borings. I hereby designate the following entity(ies) to act as my authorized representatives:
Name(s): David Harzon
Company: Klosufelder Inc.
Address: 4835 Lungley lane
City, Zip: Reno NV 89502
I understand that, as the applicant for permit for activities regulated under Subchapter 8 of the Placer County Code, I am responsible for compliance with all provisions of the Chapter. I further understand that, upon written notification to the Division of Environmental Health, I may rescind this authorization:
Signature of Licensed Well Driller:
Printed Name: 11W 4/27 FC1? ECA
Date: $\frac{O(5/2\pi)}{(2\pi)^2}$
THE PROPERTY OF THE PROPERTY O

APPENDIX B

Boring Logs

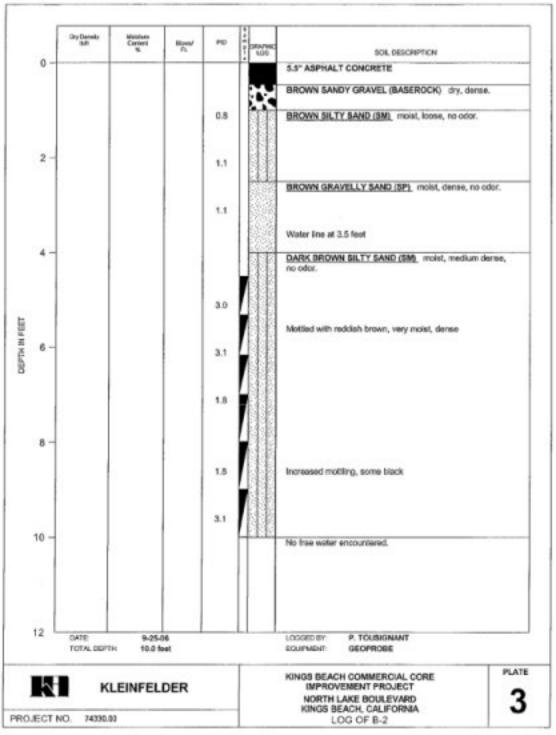


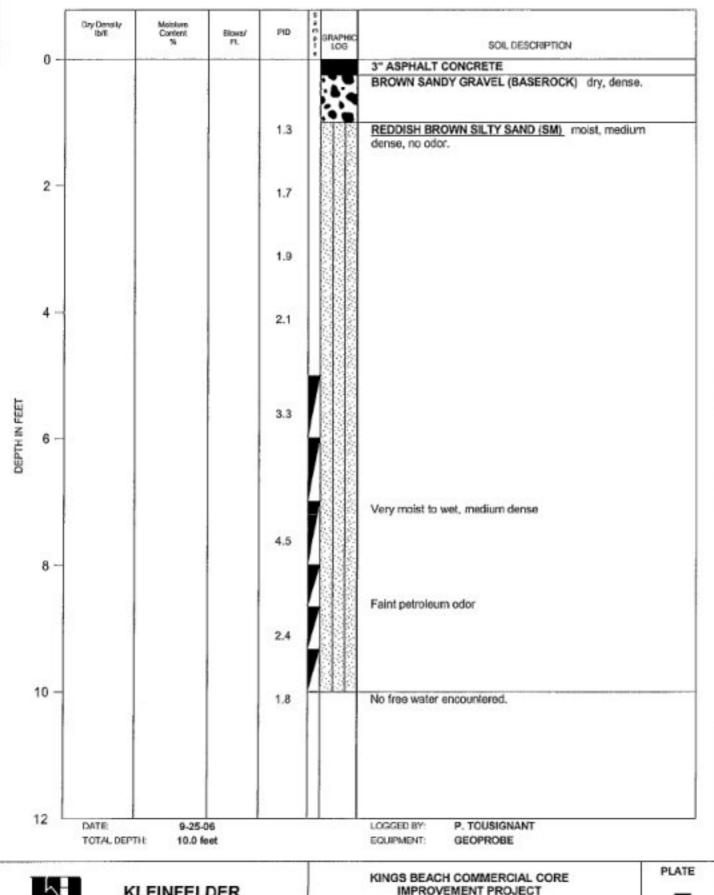


74330.03

PROJECT NO.

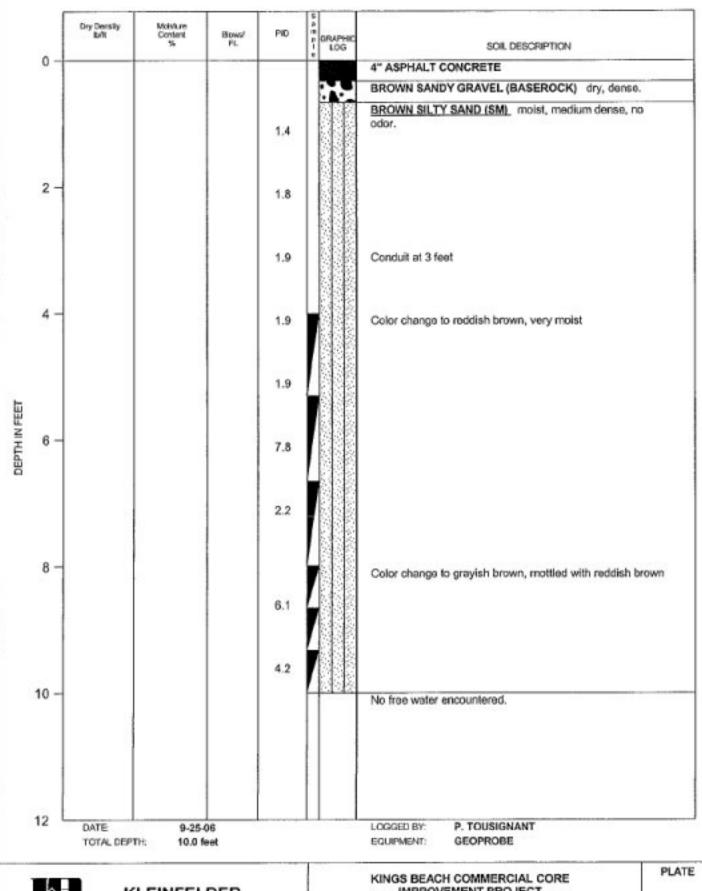
NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-2





KLEINFELDER

IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-4



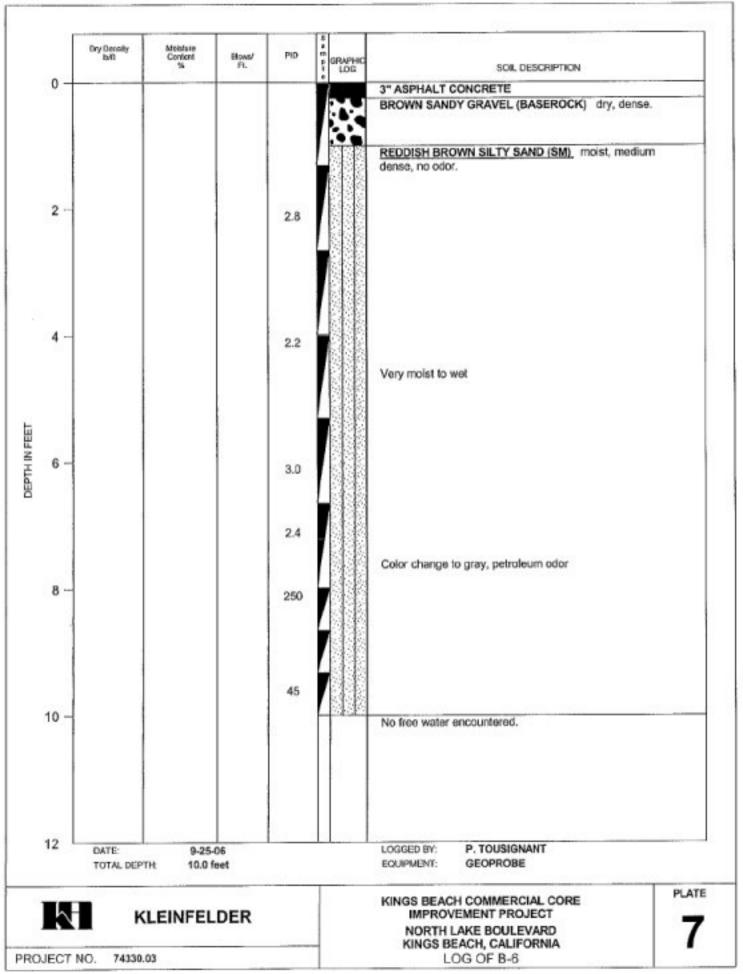
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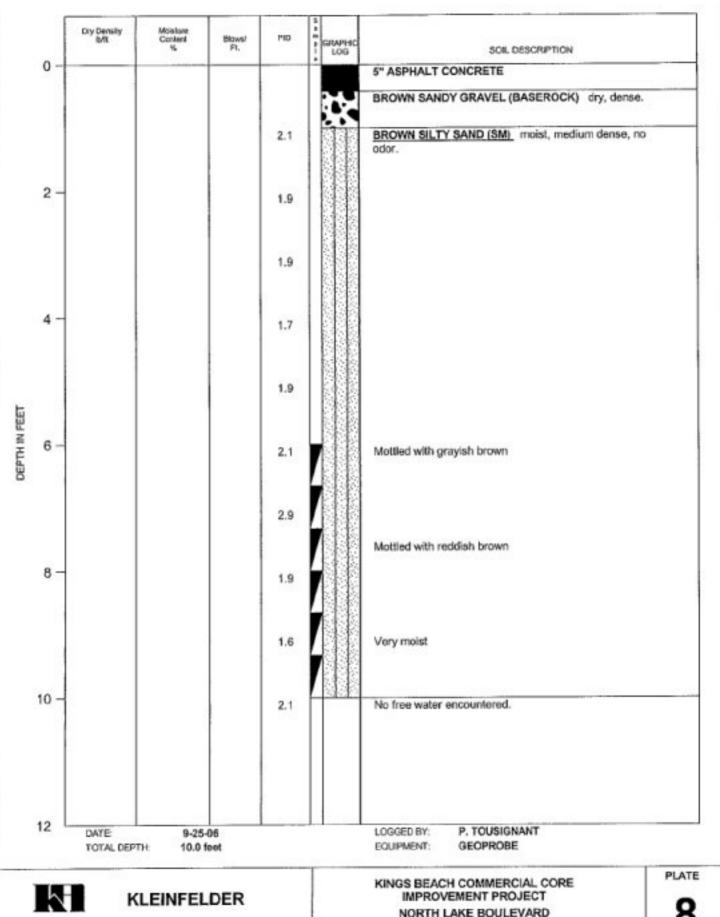
KLEINFELDER

74330.03

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-5

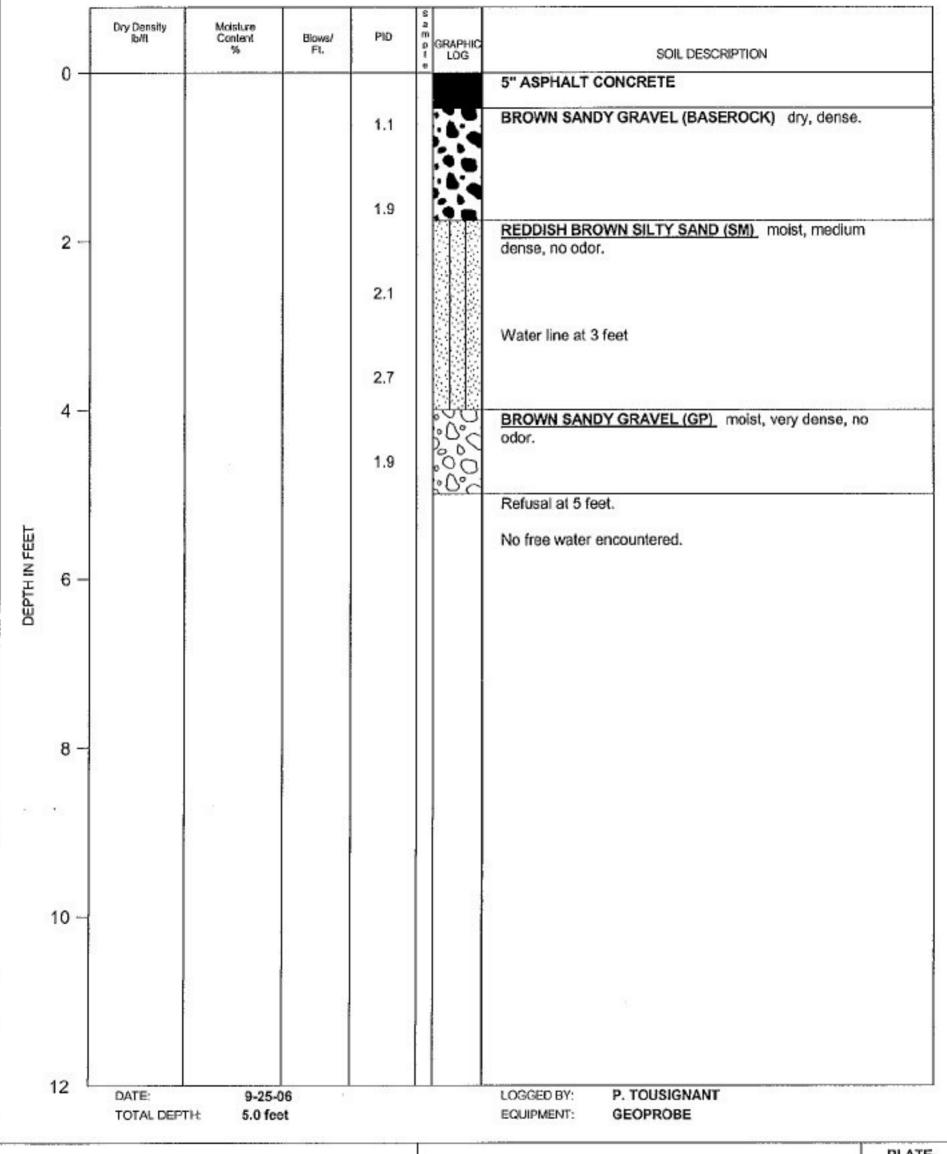
6





PROJECT NO. 74330.03

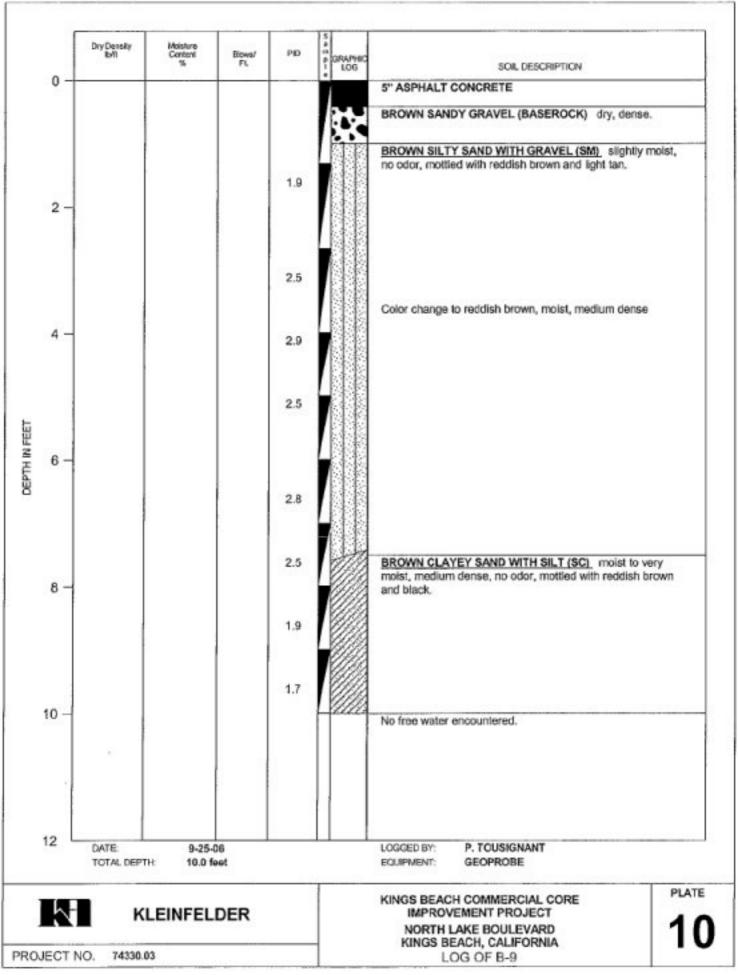
NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-7

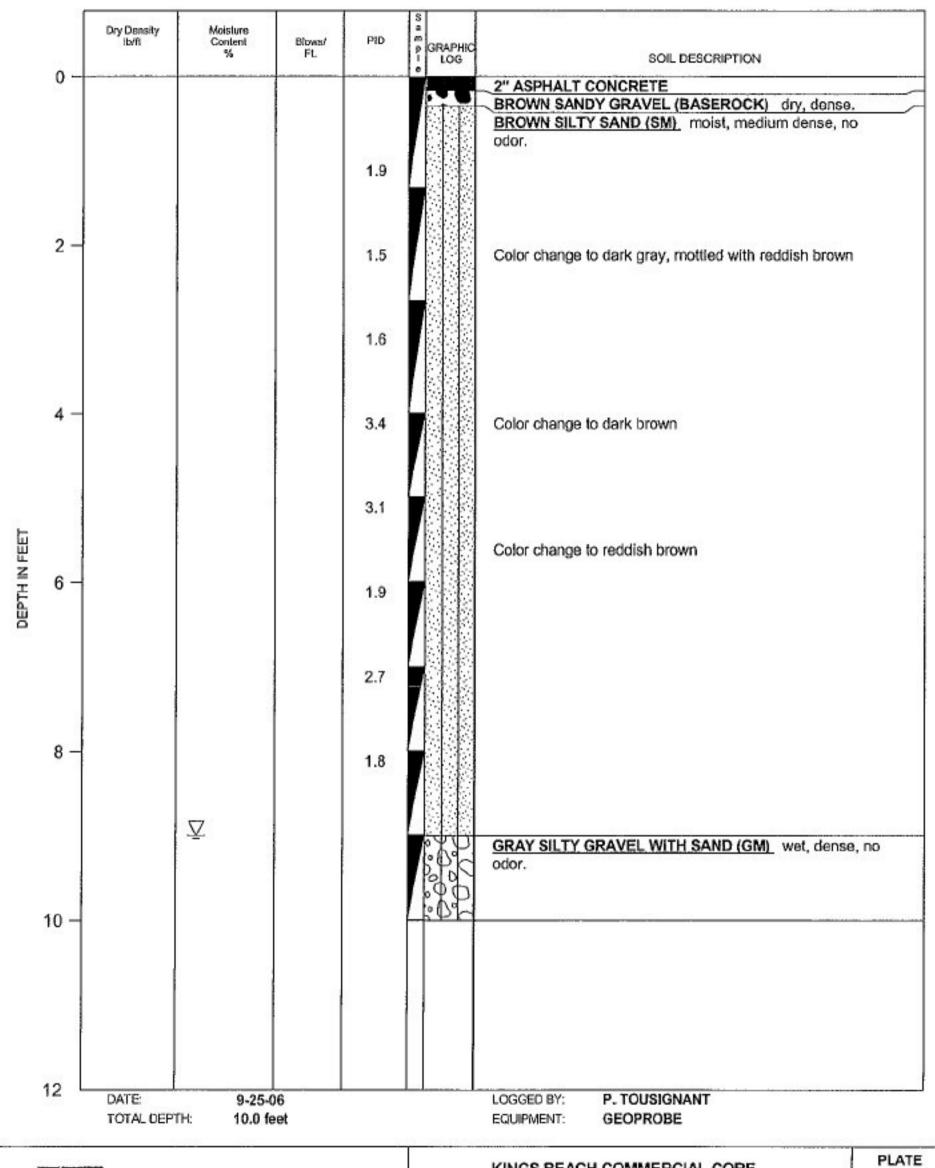


KLEINFELDER

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-8 PLATE

9



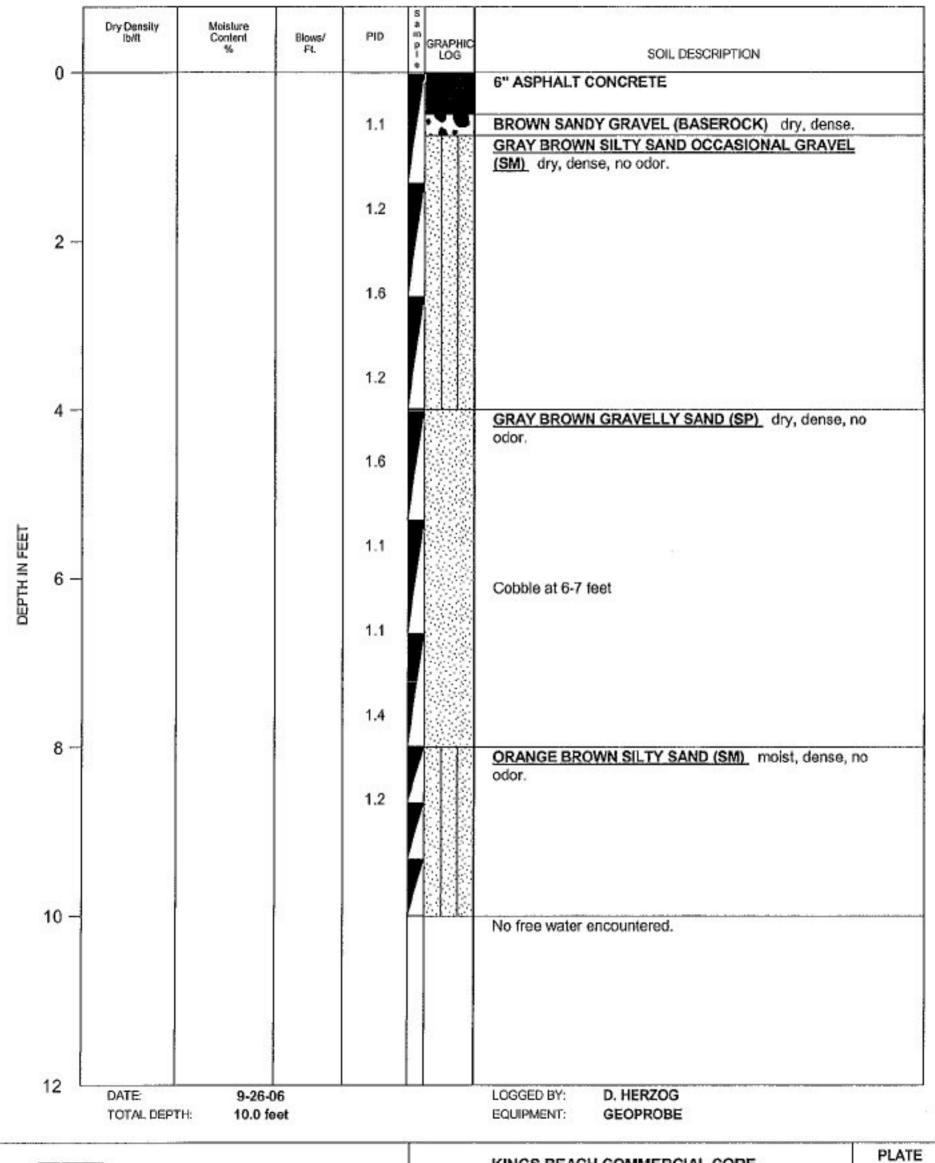


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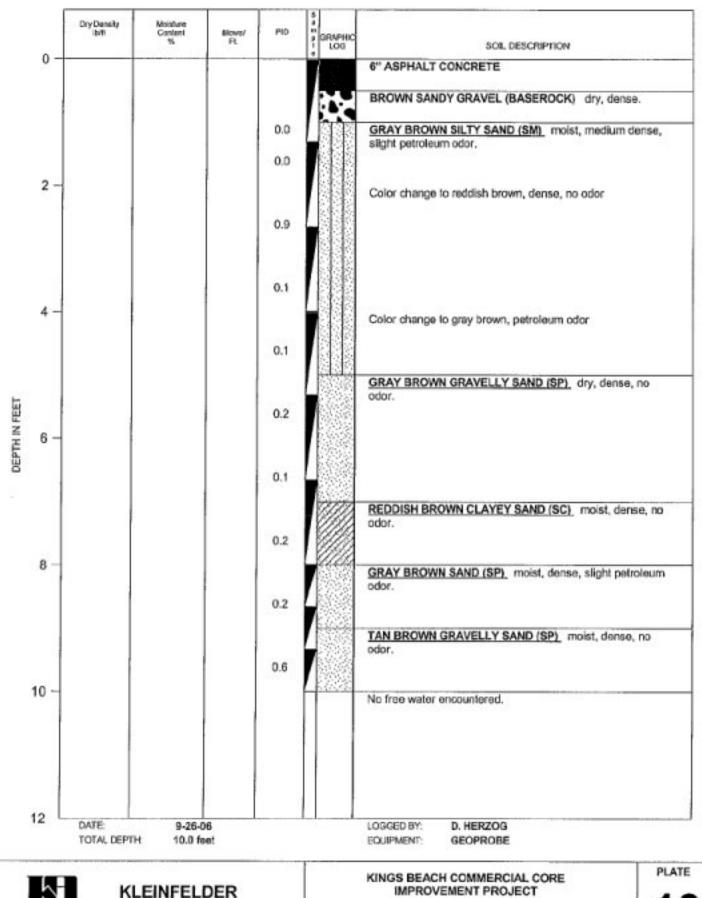
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KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-10



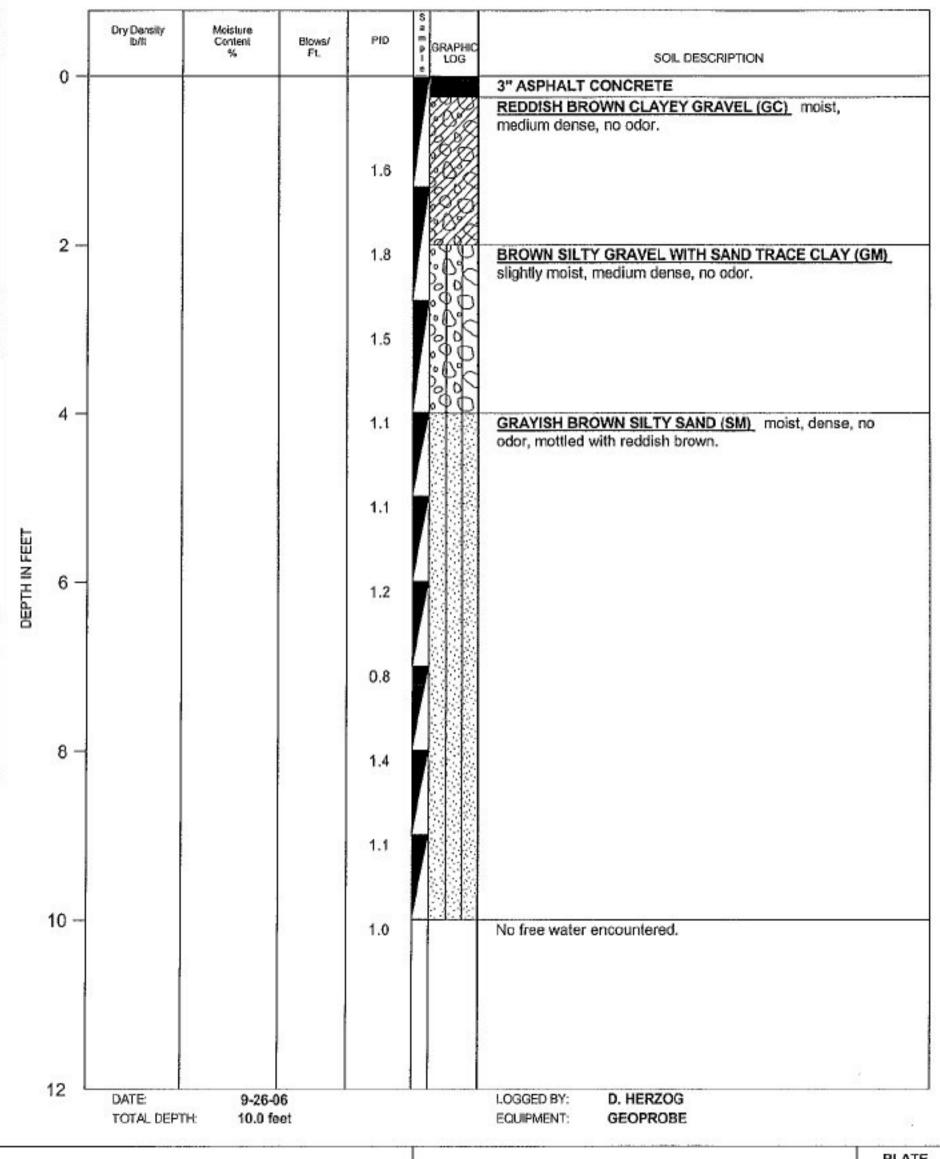
KLEINFELDER

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-11



PROJECT NO. 74330.03

IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-12

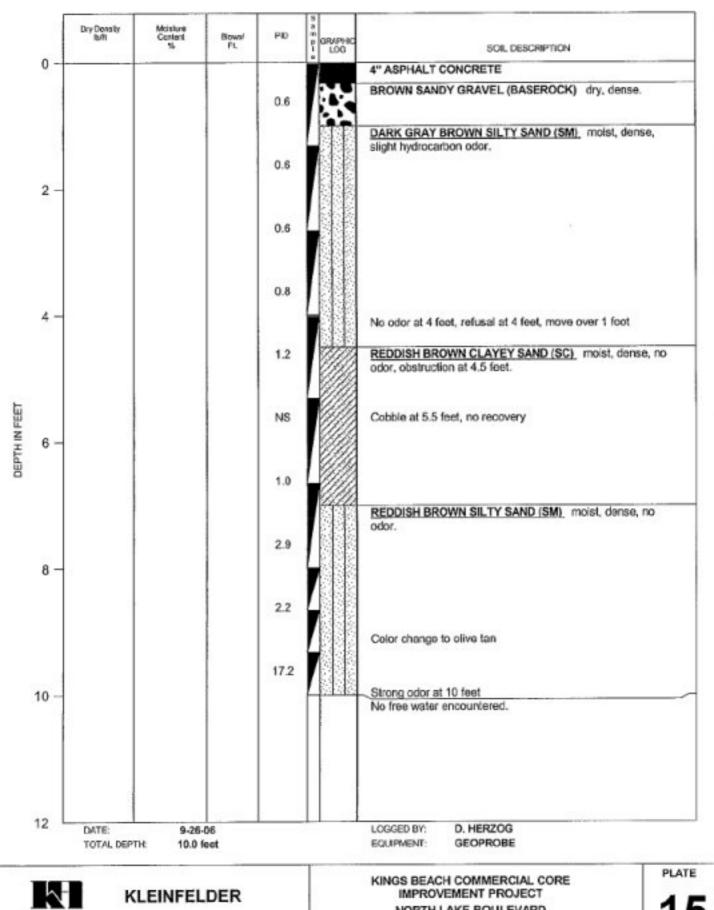




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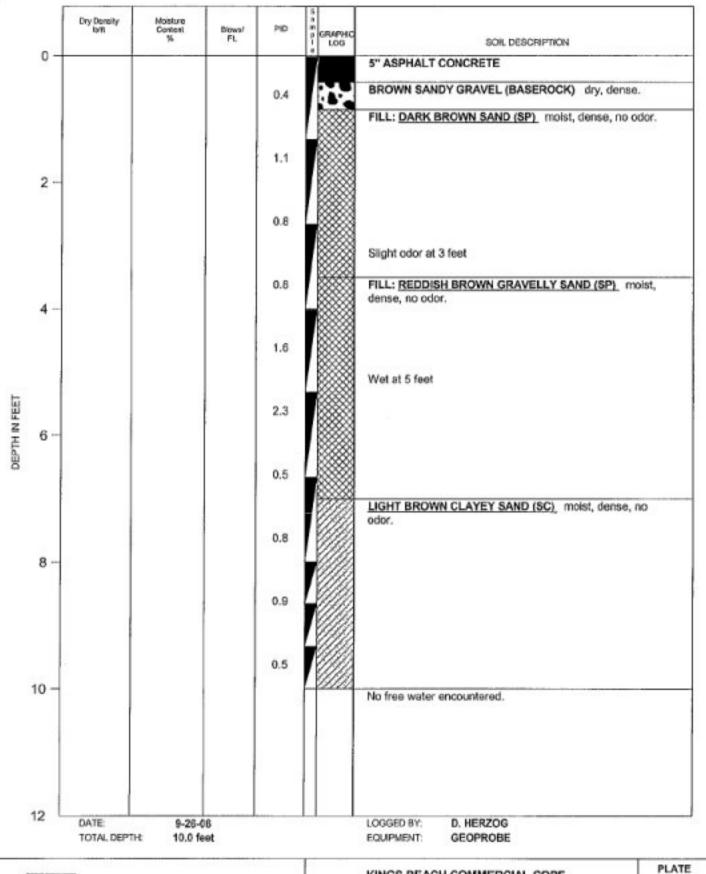
KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-13 PLATE

14



PROJECT NO. 74330.03

NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-14



7

KLEINFELDER

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-15

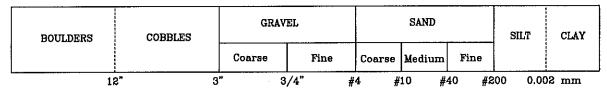
16

THE UNIFIED SOIL CLASSIFICATION SYSTEM

	MAJOR	DIVISIONS	GROUP SYMBOLS	TYPICAL NAMES
is		CLEAN GRAVELS PI<4	GW %	or no imes, cura & iccro
erial i	GRAVELS More than 50% of coarse part	finer than No. 200 Sieve. PI>7	GP 000	little or no fines Cu<4 or 1>Cc<3
SOIL = material 200 sieve.	is LARGER than the No. 4 Sieve.	GRAVEL More than 12%	GM	Silty gravels, gravel — sand — silt mixtures
COARSE GRAINED SOIL then 50% of the m iR then the No. 200		finer than No. 200 Sieve.	GC	Clayey gravels, gravel - sand - clay mixtures
SE GR/ 50% an th		CLEAN SANDS Less than 5% finer than	SW 👯	Well graded sands, gravelly sands, little or no or no fines, Cu>8 & 1 <cc>3</cc>
COARSE GRAINED SO More than 50% of the LARGER than the No. 3	SANDS More than 50% of coarse part is SMALLER than the No. 4 Sieve.	No. 200 Sieve.	SP	Poorly graded sands or gravelly sands, little or no fines Cu<6 or 1>Cc<3
		SAND PI<4	SM	Silty sands, sand - silt mixtures
		finer than No. 200 Sieve. PI>7	sc ///	Clayey sands, sand - clay mixtures
,		PI-Below A-Line	ML	Inorganic silts, rock flour, or clayey silts of low plasticity
FINE GRAINED SOIL More than 50% of the material is SMALLER than the No. 200 sieve.	SILTS AND CLA Liquid limit LESS than 50	AYS PI-Above A-Line	CL ///	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				Organic silts & organic clays of low plasticity
		PI-Below A-Line	мн	Inorganic silts, clayey silts, or silts of high plasticity
FINE More mater than	SILTS AND CLA Liquid limit GREATER than	PI-Above A-Line	CH	Inorganic clays of high plasticity, fat clays
			он 🤾	Organic clays of medium to high plasticity, organic silts
	HIGHLY ORGAN	NIC SOILS	PT R R R	Peat & other highly organic soils

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS



DESCRIPTIVE TERMS USED WITH SOILS

CONSISTENCY & APPARENT DENSITY								
	SILTS & CLAYS	SANDS & GRAVELS						
Strongest	Hard Very Stiff Stiff	Very Dense Dense Medium Dense						
Weakest	Medium Stiff Soft Very Soft	Loose Very Loose						

MOISTU.	RE CONTENT
Wettest	Wet Very Moist Moist Slightly Moist
Driest	Dry
<u> </u>	ter Level Observed During Exploration
_ wa	tor Ioval Observed After Evaluration

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4835 LONGLEY LANE RENO, NEVADA 89502 Tel. (775) 689-7800

KEY TO SOIL CLASSIFICATION AND TERMS

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA

PLATE

17

CAD FILE: L:\2006\DRAFTING\74330\74330-USCS.dwg

PROJECT NO. 74330.03

SYMBOLS



Disturbed Bag or Bulk Sample



Standard Penetration Sample (1.4 inch I.D., 2.0 inch 0.D.)



Modified California (Porter) Sample (2.0 inch I.D., 2.56 inch O.D.)

No Sample Recovery



Water Level Observed During Drilling



Water Level Observed After Drilling

COMMENTS

NOTE: Blow count represents the number of blows required to drive a sampler through the last 12 inches of an 18 inch penetration. A standard 140 pound hammer with a 30.4 inch free fall is used to drive the sampler.

NOTE:

The lines separating strata on the logs represent approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of soil strata between borings.

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KEY TO BORING LOGS

PLATE

KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA

APPENDIX C

Laboratory Reports



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder

4835 Longley Lane Reno, NV 89502

Job#: 74330.02

Attn: Dave Herzog

Phone: (775) 689-7800 Fax: (775) 689-7810

Date Received: 09/27/06

Metals by ICPMS EPA Method SW6020 / SW6020A

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : Lab ID :	B-2 1-2ft. KLF06092756-04A	Lead (Pb)	11	1.0 mg/Kg	09/25/06	10/23/06
Client ID : Lab ID :	B-6 8-9ft. KLF06092756-18A	Lead (Pb)	4.7	1.0 mg/Kg	09/25/06	10/23/06
Client ID : Lab ID :	B-9 2-3ft. KLF06092756-24A	Lead (Pb)	6.0	1.0 mg/Kg	09/25/06	10/23/06
Client ID : Lab ID :	B-10 4-5ft. KLF06092756-28A	Lead (Pb)	7.1	1.0 mg/Kg	09/25/06	10/23/06
Client ID: Lab ID:	B-13 2-3ft. KLF06092756-30A	Lead (Pb)	3.8	1.0 mg/Kg	09/25/06	10/23/06
Client ID : Lab ID :	B-11 4-5ft. KLF06092756-37A	Lead (Pb)	25	1.0 mg/Kg	09/26/06	10/23/06
Client ID : Lab ID :	B-12 4-5ft. KLF06092756-41A	Lead (Pb)	3.2	1.0 mg/Kg	09/26/06	10/23/06
Client ID : Lab ID :	B-15 4-5ft. KLF06092756-47A	Lead (Pb)	2.8	1.0 mg/Kg	09/26/06	10/23/06

Roger & Scholl Kanoly Santon Walter Hinchman, Quality Assurance Officer

Roger L Scholl, Ph.D., Laboratory Director · · Randy Gardner, Laboratory Manager · · Walter Hinchman, Quality Assurance Officer

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10/26/06 Report Date



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ANALYTICAL REPORT

Kleinfelder 4835 Longley Lane Reno, NV 89502 Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810
Date Received: 09/27/06

Job#: 74330.02

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B Volatile Organic Compounds (VOCs) EPA Method SW8260B

					Reporting	Date	Date
		Parameter	Concentration		Limit	Sampled	Analyzed
Client ID :	B1 1-2ft.	TPH-E (Diesel)	21	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-01A	TPH-E (Oil)	99	+	50 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0	20 μg/Kg	09/25/06	09/28/06
		Toluena	ND	0	20 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	0	20 μ g/ Kg	09/25/06	09/28/06
		m,p-Xylene	ND	0	20 μg/Kg	09/25/06	09/28/06
		o-Xylene	ND	0	20 μg/Kg	09/25/06	09/28/06
Client ID :	B-I 4-5ft.	TPH-E (Diesel)	15	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-02A	TPH-E (Oil)	56	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	· ND	0	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 μg/Kg	09/25/06	09/28/06
		Toluene	ND	0	20 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ИD	0	20 μ g/K g	09/25/06	09/28/06
		m,p-Xylene	ND	0	20 μ g/K g	09/25/06	09/28/06
		o-Xylene	ND	0	20 μ g/ Kg	09/25/06	09/28/06
Client ID:	B-1 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
ab ID :	KLF06092756-03A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0	20 μg/Kg	09/25/06	09/28/06
		Toluene	ND	0	20 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	0	20 μg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	0	20 μg/Kg	09/25/06	09/28/06
		o-Xylene	ND	0	20 μg/Kg	09/25/06	09/28/06
Client ID:	B-2 1-2ft.	TPH-E (Diesel)	29	*	5.0 mg/Kg	09/25/06	09/28/06
ab ID:	KLF06092756-04A	TPH-E (Oil)	200	+	50 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0	20 μg/Kg	09/25/06	09/28/06
		Toluene	ND	0	20 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 μg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	0	20 μg/Kg	09/25/06	09/28/06
		o-Xylene	ND	0	20 μg/Kg	09/25/06	09/28/06
Client ID:	B-2 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
ab ID:	KLF06092756-05A	TPH-E (Oil)	ND	_	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		Toluene	ND	0	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/28/06
		o-Xylene	МD	0	10 μg/Kg	09/25/06	09/28/06



Client ID:	B-2 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-06A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/28/06
		o-Xylene	ND	Ö	10 μg/Kg	09/25/06	09/28/06
		-,		-	1. 1.02	0	03.20.00
Client ID:	B-3 1-2ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-07A	TPH-E (Oil)	16	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/28/06
		o-Xylene	ND	0	10 μg/Kg	09/25/06	09/28/06
Client ID .	D 2 4 60	TRUE (Diseas)	ND		£ 0 = 115 =	00/25/06	00/20/04
Client ID:	B-3 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-08A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND		5.0 μg/Kg	09/25/06	09/28/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND		5.0 μg/Kg	09/25/06	09/28/06
Client ID:	B-3 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
		TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-09A	TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0		09/25/06	09/28/06
		Toluene	ND ND		10 μg/Kg		09/28/06
				0	10 μg/Kg	09/25/06	
		Ethylbenzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/28/06
		o-Xylene	ND	0	10 µg/Kg	09/25/06	09/28/06
Client ID:	B-4 1-2ft.	TPH-E (Dieset)	10	•	5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-10A	TPH-E (Oil)	63	+	10 mg/Kg	09/25/06	09/28/06
DEC ID	REI COOPEIOO IOII	TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	0	10 μg/Kg	09/25/06	09/28/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	ō	10 μg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	ő	l0 μg/Kg	09/25/06	09/28/06
		o-Xylene	ND	ō	10 µg/Kg	09/25/06	09/28/06
		•		•			
Client ID:	B-4 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-11A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ИD	0	10 μ g /Kg	09/25/06	09/29/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	- ND	0	I0 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	0	10 μ g/ Kg	09/25/06	09/29/06
		o-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
Client ID	D 4 0 064	TOU E (Diagon)	Min		50 ma/V-	00/25/04	09/29/06
Client ID:	B-4 8-9ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	
Lab ID :	KLF06092756-12A	TPH-E (Oil)	ND	^	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	0	10 μg/Kg	09/25/06	09/29/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	0	10 μg/Kg	09/25/06	09/29/06
		m.p-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND	0	10 µg/Kg	09/25/06	09/29/06



Client ID B-5 1-2ft.
TPILP (Purgeable) ND
Septemble Sep
Toluene ND
Toluene ND
Client ID :
Client ID :
Client ID
Lab ID : KLF06092756-14A TPH-E (Cil) TPH-P (Purgable) (Purgabl
Lab ID : KLF06092756-14A TPH-E (Cil) TPH-P (Purgable) (Purgabl
TPH-P (Purgeable)
Benzene ND O 10 μg/kg 09/25/06 09/29/06
Toluene
Elhylbenzene ND O 10 μg/Kg 09/25/06 09/29/06 O-29/06 O-29/0
Mp-Xylene
Client ID B-5 9-10ft. TPH-E (Diesel) ND S.0 mg/Kg 09/25/06 09/29/06 09/
Client ID :
Lab ID :
TPH-P (Purgeable)
Benzene ND 5.0 μg/kg 09/25/06 09/29/06 70luene ND 5.0 μg/kg 09/25/06 09/29/06
Toluene ND S.0 μg/kg 09/25/06 09/29/06 Ethylbenzene ND S.0 μg/kg 09/25/06 09/29/06 09/2
Ethylbenzene ND 5.0 μg/kg 09/25/06 09/29/06 m,p-Xylene ND 5.0 μg/kg 09/25/06 09/29/06 0-Xylene ND 5.0 μg/kg 09/25/06 09/29/06 0-Xylene ND 5.0 μg/kg 09/25/06 09/29/06 D-Xylene ND 5.0 μg/kg 09/25/06 09/29/06 D-Xylene ND 1.0 mg/kg 09/25/06 09/29/06 D-Xylene ND 5.0 μg/kg 09/25/06 09/29/06 D-Xylene ND 1.0 mg/kg 09/25/06 09/29/06 D-Xylene ND 5.0 μg/kg 09/25/06 09/29/06 D-Xylene ND D-Xylene ND D-Xylene D-Xylene ND D-Xylene D-Xylene ND D-Xylene D-Xylene D-Xylene ND D-Xylene D-
Client ID : B-6 2-4ft. TPH-E (Diesel) ND 5.0 µg/Kg 09/25/06 09/29/06
Client ID : B-6 2-4ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06
Client ID : B-6 2-4ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06
Lab ID :
Lab ID :
TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 µg/Kg 09/25/06 09/29/06 Toluene ND 5.0 µg/Kg 09/25/06 09/29/06 Ethylbenzene ND 5.0 µg/Kg 09/25/06 09/29/06 m,p-Xylene ND 5.0 µg/Kg 09/25/06 09/29/06 Client ID: B-6 5-6ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06 Lab ID: KLF06092756-17A TPH-E (Oil) ND 10 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 µg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 µg/Kg 09/25/06 09/29/06 Ethylbenzene ND 5.0 µg/Kg 09/25/06 09/29/06 Client ID: B-6 8-9ft. TPH-E (Diesel) ND 5.0 µg/Kg 09/25/06 09/29/06 Client ID: KLF06092756-18A TPH-E (Diesel) ND 5.0 µg/Kg 09/25/06 09/29/06 Client ID: KLF06092756-18A TPH-E (Diesel) ND 5.0 µg/Kg 09/25/06 09/29/06 Client ID: KLF06092756-18A TPH-E (Oil) ND 10 mg/Kg 09/25/06 09/29/06 Client ID: ND 10 mg/Kg 09/25/06 09/29/06
Benzene ND 5.0 µg/Kg 09/25/06 09/29/06
Toluene ND 5.0 μg/Kg 09/25/06 09/29/06
Ethylbenzene ND 5.0 μg/Kg 09/25/06 09/29/06
Mp-Xylene
Client ID : B-6 5-6ft. TPH-E (Diesel) ND 5.0 μg/Kg 09/25/06 09/29/06 Lab ID : KLF06092756-17A TPH-E (Oil) ND 10 mg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 μg/Kg 09/25/06 09/29/06 Toluene ND 5.0 μg/Kg 09/25/06 09/29/06 Toluene ND 5.0 μg/Kg 09/25/06 09/29/06 Elhylbenzene ND 5.0 μg/Kg 09/25/06 09/29/06 Elhylbenzene ND 5.0 μg/Kg 09/25/06 09/29/06 π,p-Xylene ND 5.0 μg/Kg 09/25/06 09/29/06 Client ID : B-6 8-9ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06 Lab ID : KLF06092756-18A TPH-E (Oil) ND 10 mg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) 340 25 mg/Kg 09/25/06 09/30/06 Benzene ND V 130 μg/Kg 09/25/06 09/30/06
Client ID : B-6 5-6ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06
Lab ID : KLF06092756-17A TPH-E (Oil) ND 10 mg/kg 09/25/06 09/29/06 TPH-P (Purgeable) ND 1.0 mg/kg 09/25/06 09/29/06 Benzene ND 5.0 μg/kg 09/25/06 09/29/06 Toluene ND 5.0 μg/kg 09/25/06 09/29/06 Elhylbenzene ND 5.0 μg/kg 09/25/06 09/29/06 m,p-Xylene ND 5.0 μg/kg 09/25/06 09/29/06 Client ID : B-6 8-9ft. TPH-E (Diesel) ND 5.0 mg/kg 09/25/06 09/29/06 Lab ID : KLF06092756-18A TPH-E (Oil) ND 10 mg/kg 09/25/06 09/29/06 TPH-P (Purgeable) 340 25 mg/kg 09/25/06 09/30/06 Benzene ND V 130 μg/kg 09/25/06 09/30/06
TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 μg/Kg 09/25/06 09/29/06 Toluene ND 5.0 μg/Kg 09/25/06 09/29/06 Elhylbenzene ND 5.0 μg/Kg 09/25/06 09/29/06 m,p-Xylene ND 5.0 μg/Kg 09/25/06 09/29/06 o-Xylene ND 5.0 μg/Kg 09/25/06 09/29/06 Client ID: B-6 8-9ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06 Lab ID: KLF06092756-18A TPH-E (Oit) ND 5.0 mg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) 340 25 mg/Kg 09/25/06 09/30/06 Benzene ND V 130 μg/Kg 09/25/06 09/30/06
Benzene ND 5.0 μg/Kg 09/25/06 09/29/06 Toluene ND 5.0 μg/Kg 09/25/06 09/29/0
Toluene ND 5.0 μg/Kg 09/25/06 09/29/06
Elhylbenzene ND 5.0 μg/Kg 09/25/06 09/29/06
Mp S.0 μg/Kg 09/25/06 09/29/06 09
Client ID : B-6 8-9ft. TPH-E (Diesel) ND 5.0 μg/Kg 09/25/06 09/29/06 Lab ID : KLF06092756-18A TPH-E (Oil) ND 10 mg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) 340 25 mg/Kg 09/25/06 09/30/06 Benzene ND V 130 μg/Kg 09/25/06 09/30/06
Client ID: B-6 8-9ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06 Lab ID: KLF06092756-18A TPH-E (Oil) ND 10 mg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) 340 25 mg/Kg 09/25/06 09/30/06 Benzene ND V 130 µg/Kg 09/25/06 09/30/06
Lab ID: KLF06092756-18A TPH-E (Oil) ND 10 mg/Kg 09/25/06 09/29/06 TPH-P (Purgeable) 340 25 mg/Kg 09/25/06 09/30/06 Benzene ND V 130 μg/Kg 09/25/06 09/30/06
TPH-P (Purgeable) 340 25 mg/Kg 09/25/06 09/30/06 Benzene ND V 130 µg/Kg 09/25/06 09/30/06
TPH-P (Purgeable) 340 25 mg/Kg 09/25/06 09/30/06 Benzene ND V 130 μg/Kg 09/25/06 09/30/06
- · · · · · · · · · · · · · · · · · · ·
Toluene ND V 130 ug/Kg 09/25/06 09/30/06
Ethylbenzene 800 130 μg/Kg 09/25/06 09/30/06
m,p-Xylene 2,600 130 µg/Kg 09/25/06 09/30/06
o-Xylene 190 130 μg/Kg 09/25/06 09/30/06
Client ID: B-7 1-2ft. TPH-E (Diesel) ND 5.0 mg/Kg 09/25/06 09/29/06
Lab ID: KLF06092756-19A TPH-E (Oit) ND 10 mg/Kg 09/25/06 09/29/06
End (D. 102) VOICE OF THE CONTROL OF
TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06
TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 μg/Kg 09/25/06 09/29/06
TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 μg/Kg 09/25/06 09/29/06 Toluene ND 5.0 μg/Kg 09/25/06 09/29/06
TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 μg/Kg 09/25/06 09/29/06 Toluene ND 5.0 μg/Kg 09/25/06 09/29/06 Ethylbenzene ND 5.0 μg/Kg 09/25/06 09/29/06
TPH-P (Purgeable) ND 1.0 mg/Kg 09/25/06 09/29/06 Benzene ND 5.0 μg/Kg 09/25/06 09/29/06 Toluene ND 5.0 μg/Kg 09/25/06 09/29/06



Ciliana ID	D 5 / 56	TRUE COLUMN		_			
Client ID:	B-7 6-7ft.	TPH-E (Diesel)	6.0	С	5.0 mg/Kg	09/25/06	09/29/06
Lab ID:	KLF06092756-20A	TPH-E (Oil)	ND	^	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable) Benzene	ND ND	0 0	2.0 mg/Kg	09/25/06	09/29/06
		Toluene	ND ND		10 μg/Kg	09/25/06	09/29/06
		Ethylbenzene		0	10 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
		U-Ayiciic	ИD	О	10 µg/Kg	09/25/06	09/29/06
Client ID:	B-7 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-21A	TPH-E (Oil)	ИD		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	0	10 μg/Kg	09/25/06	09/29/06
		Toluene	ND	0	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	0	10 μ g/K g	09/25/06	09/29/06
		m,p-Xylene	ND	0	10 μ g/ Kg	09/25/06	09/29/06
		o-Xylene	ND	0	łθ μg/Kg	09/25/06	09/29/06
Client ID:	B-8 1-2ft.	TPH-E (Diesel)	8.7	•	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-22A	TPH-E (Oil)	40	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	0	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	0	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
Client ID:	B-8 4-5ft,	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-23A	TPH-E (Oil)	18	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	ō	10 μg/Kg	09/25/06	09/29/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	0	10 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND	0	10 μg/Kg	09/25/06	09/29/06
Client ID:	B-9 2-3ft.	TPH-E (Diesel)	31	•	25 mg/Kg	09/25/06	09/29/06
Lab ID:	KLF06092756-24A	TPH-E (Oil)	330	+	50 mg/Kg	09/25/06	09/29/06
Lau ID	KLF00092730-24A	TPH-P (Purgeable)	ND	Ö	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	Ö	10 μg/Kg	09/25/06	09/29/06
		Toluene	ND	ó	10 µg/Kg 10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	Ö	10 µg/Kg 10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	Ö	t0 μg/Kg t0 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND	ŏ	10 μg/Kg	09/25/06	09/29/06
Client ID:	B-9 4-5ft.	TPH-E (Diesel)	17	•		09/25/06	
		TPH-E (Oil)	140	+	5.0 mg/Kg 10 mg/Kg	09/25/06	09/28/06 09/28/06
Lab ID:	KLF06092756-25A	TPH-P (Purgeable)	ND	Ŏ		09/25/06	09/28/06
		Benzene	ND ND	0	2.0 mg/Kg		09/29/06
		Toluene		_	10 μg/Kg	09/25/06	
		Ethylbenzene	ND ND	0	10 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND ND		10 μg/Kg	09/25/06 09/25/06	09/29/06
		o-Xylene	ND ND	0	i0 µg/Кg 10 µg/Кg	09/25/06	09/29/06 09/29/06
Ollant ID :	D 0 0 100	·		-			
Client ID:	B-9 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	10/04/06
Lab ID:	KLF06092756-26A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	10/04/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 μg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND		5.0 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND ND		5.0 μg/Kg	09/25/06	09/29/06
		a-Xylene	ND		5.0 μg/Kg	09/25/06	09/29/06



Client ID:	B-10 2-3ft.	TPH-E (Diesel)	ИD		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-27A	TPH-E (Oil)	32	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 μg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND		5.0 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND		5.0 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 μg/Kg	09/25/06	09/29/06
Client ID:	B-10 4-5ft.	TPH-E (Diesel)	120	*	50 mg/Kg	09/25/06	09/29/06
Lab ID:	KLF06092756-28A	TPH-E (Oil)	1,300	+	100 mg/Kg		
Lab ID .	KLI-00072730-26/5	TPH-P (Purgeable)	ND	•		09/25/06	09/29/06
		Benzene	ND ND		1.0 mg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/29/06
		Ethylbenzene			5.0 μg/Kg	09/25/06	09/29/06
		•	5.1		5.0 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	16		5.0 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 μg/Kg	09/25/06	09/29/06
Client ID:	B-10 7-9ft.	TPH-E (Diesel)	ИD		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-29A	TPH-E (Oil)	34	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 μg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	ИD		5.0 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND		5.0 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 μg/Kg	09/25/06	09/29/06
Client ID:	B-13 2-3ft.	TPH-E (Diesel)	270	•	500 mg/Kg	09/25/06	09/29/06
Lab ID:	KLF06092756-30A	TPH-E (Oil)	4,100	+	1,000 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	ŏ	10 μg/Kg	09/25/06	09/29/06
		Toluene	ND	ō	10 μg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	Ö	10 μg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	ŏ	10 μg/Kg	09/25/06	09/29/06
		o-Xylene	ND	o	10 μg/Kg	09/25/06	09/29/06
Client ID:	B-13 4-5ft.	TPH-E (Diesel)	ND			00/25/06	00120104
					5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-31A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable) Benzene	ND		1.0 mg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 μg/Kg	.09/25/06	09/30/06
			ND		5.0 μg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND		5.0 μg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 μg/Kg	09/25/06	09/30/06
		o-Xylene	DИ		5.0 μg/Kg	09/25/06	09/30/06
Client ID:	B-13 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-32A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND		5.0 μg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/30/06
		Ethylbenzene	ИD		5.0 μg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 μg/Kg	09/25/06	09/30/06
		o-Xylene	ND		5.0 μg/Kg	09/25/06	09/30/06
Client ID:	DUPI	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID:	KLF06092756-33A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND		5.0 μg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND		5.0 μg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 μg/Kg	09/25/06	09/30/06
		o-Xylene	ND		5.0 μg/Kg	09/25/06	09/30/06



Client ID:	DUP2	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-34A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND		5.0 μg/Kg	09/25/06	09/30/06
		Toluene	ND		5.0 μg/Kg	09/25/06	09/30/06
	•	Ethylbenzene	ND		5.0 μg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND		5.0 μg/Kg	09/25/06	09/30/06
		o-Xylene	ND		5.0 μg/Kg	09/25/06	09/30/06
Client ID:	DUP3	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/29/06
Lab ID:	KLF06092756-35A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/30/06
		Benzene	ND	0	10 μg/Kg	09/25/06	09/30/06
		Toluene	ND	0	10 μg/Kg	09/25/06	09/30/06
		Ethylbenzene	ND	0	10 μg/Kg	09/25/06	09/30/06
		m,p-Xylene	ND	0	10 μg/Kg	09/25/06	09/30/06
		o-Xylene	ND	0	10 μg/Kg	09/25/06	09/30/06
Client ID:	B-11 1-2ft.	TPH-E (Diesel)	76	*	50 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-36A	TPH-E (Oil)	590	+	100 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/26/06	09/30/06
Client ID:	B-11 4-5ft.	TPH-E (Diesel)	700		500 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-37A	TPH-E (Oil)	4,700	+	1,000 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	0	4.0 mg/Kg	09/26/06	09/30/06
Client ID:	B-11 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-38A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/26/06	09/30/06
Client ID:	DUP5	TPH-E (Dicsel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-39A	TPH-E (Oil)	14	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/26/06	09/30/06
Client ID:	B-12 1-2ft.	TPH-E (Diesel)	26	*	5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-40A	TPH-E (Oil)	160	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	0	10 μg/Kg	09/26/06	09/30/06
		Toluene	ND	0	10 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	מא	0	10 μg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND	0	10 μg/Kg	09/26/06	09/30/06
		o-Xylene	ND	0	10 μg/Kg	09/26/06	09/30/06
Client ID:	B-12 4-5ft.	TPH-E (Diesel)	36		5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-41A	TPH-E (Oil)	200	+	50 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	DИ	0	2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	0	10 μg/Kg	09/26/06	09/30/06
		Toluene	ND	0	10 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	0	10 μg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND	0	10 μg/Kg	09/26/06	09/30/06
		o-Xylene	ND	0	10 μg/Kg	09/26/06	09/30/06
Client ID:	B-12 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-42A	TPH-E (Oil)	ИD		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 μg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 μg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 μg/Kg	09/26/06	09/30/06
					-		



					-		
Client ID:	B-14 1-2ft.	TPH-E (Diesel)	16	•	5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-43A	TPH-E (Oil)	130	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	0	4.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	0	20 μg/Kg	09/26/06	09/30/06
		Toluene	ND	ō	20 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	ŏ	20 μg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND	ō	20 μg/Kg	09/26/06	09/30/06
		o-Xylene	ND	ō	20 μg/Kg	09/26/06	09/30/06
Client ID:	B-14 3-4ft.	TPH-E (Diesel)	ND		5 0/IV	09/26/06	09/29/06
Lab ID:	KLF06092756-44A	TPH-E (Oil)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF00092/30-44/	TPH-P (Purgeable)	1.5		10 mg/Kg	09/26/06	
		Benzene	ND		1.0 mg/Kg		09/30/06
		Toluene	ND ND		5.0 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 μg/Kg	09/26/06	09/30/06
		m,p-Xylene			5.0 μg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 μg/Kg	09/26/06	09/30/06
		•	ND		5.0 μg/K.g	09/26/06	09/30/06
Client ID:	B-14 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-45A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 μg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 μg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ИD		5.0 μg/Kg	09/26/06	09/30/06
Client ID:	B-15 1-2ft.	TPH-E (Diesel)	100	•	50 mg/Kg	09/26/06	10/03/06
Lab ID:	KLF06092756-46A	TPH-E (Oil)	660	+	100 mg/Kg	09/26/06	10/03/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	0	10 μg/Kg	09/26/06	09/30/06
		Toluene	ND	0	10 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	11	_	10 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	34		10 μg/Kg	09/26/06	09/30/06
		o-Xylene	ИD	0	10 μg/Kg	09/26/06	09/30/06
Client ID:	B-15 4-5ft.	TPH-E (Diesel)	370	*	100 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-47A	TPH-E (Oil)	2,900	+	1,000 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	0	4.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	0	20 μg/Kg	09/26/06	09/30/06
		Toluene	ND	0	20 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	0	20 μg/Kg	09/26/06	09/30/06
		m,p-Xylene	52		20 μg/Kg	09/26/06	09/30/06
		o-Xylene	ND	0	20 μg/Kg	09/26/06	09/30/06
Client ID:	B-15 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID:	KLF06092756-48A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06 -	09/30/06
		Benzene	ND		5.0 μg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 μg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 μg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 μg/Kg	09/26/06	09/30/06
Client ID:	DUP4	TPH-E (Diesel)	200	•	20 mg/Kg	09/27/06	09/29/06
Lab ID:	KLF06092756-49A	TPH-E (Oil)	1,300	+	200 mg/Kg	09/27/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/27/06	09/30/06
		Benzene	ND	0	10 μg/Kg	09/27/06	09/30/06
		Toluene	ND	0	10 μg/Kg	09/27/06	09/30/06
		Ethylbenzene	ND	0	10 μg/Kg	09/27/06	09/30/06
		m,p-Xylene	ND	0	10 μg/Kg	09/27/06	09/30/06
		o-Xylene	ND	0	10 μg/Kg	09/27/06	09/30/06



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

- *Note: Reported diesel concentration may include some undifferentiated heavier-end hydrocarbons.
- +Note: Compounds outside the range of diesel have varying amounts of recovery.
- C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.
- O = Reporting Limits were increased due to sample foaming.
- V = Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Kandy Souther Walter Hinchman, Quality Assurance Officer
Roger L. Scholl, Ph.D., Laboratory Director · Randy Gardner, Laboratory Manager · Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

Report Date



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder

4835 Longley Lane Reno, NV 89502 Job#: 74330.02 Attn: Dave Herzog

Phone: (775) 689-7800 Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-36A

Client I.D. Number: B-11 1-2ft.

Sampled: 09/26/06 Received: 09/27/06

Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

			Reporting				Reporting
	Compound	Concentration	Limit		Compound	Concentration	Limit
1	Chloromethane	l ND	40 μg/Kg	28	Ethylbenzene	. ND	10 µg/Kg
2	Vinyl chloride	ND	20 μg/Kg	27	m,p-Xylene	ND	10 μg/Kg
3	Chloroethane	: ND	20 µg/Kg	28	Bromolorm	, ND	20 μg/Kg
4	Bromomethane	ND :	80 µg/Kg	29	o-Xylene	. ND	10 µg/Kg
5	Trichlorofluoromethane	ND	20 μg/Kg	30	1,1,2,2-Tetrachloroethane	ND .	20 μg/Kg
6	1,1-Dichloroethene	ND	20 μg/Kg	31	1,3-Dichlorobenzene	ND	20 μg/Kg
7	Dichloromethane	. ND	80 µg/Kg	32	1,4-Dichlorobenzene	ND	20 μg/Kg
8	trans-1,2-Dichloroethene	ND	20 μg/Kg	33	1,2-Dichlorobenzene	מא	20 μg/Kg
9	1,1-Dichloroethane	ND	20 μg/Kg				
10	cis-1,2-Dichloroethene	ND	20 μg/Kg				
11	Chloroform	ָּ מַא	20 µg/Kg				
12	1,2-Dichloroethane	ND i	20 µg/Kg				
13	1,1,1-Trichloroethane	. ND	20 μg/Kg				
14	Carbon tetrachloride	. ND	20 μg/Kg				
15	Benzene	ND :	10 µg/Kg				
16	1,2-Dichloropropane	ND !	20 μg/Kg				
17	Trichloroethene	: ND	20 μg/Kg				
18	Bromodichloromethane	ND	20 μg/Kg				
19	cis-1,3-Dichloropropene	, ND	20 µg/Kg				
20	trans-1,3-Dichloropropene	ND	20 µg/Kg				
21	1,1,2-Trichloroethane	ND	20 µg/Kg				
22	Toluene	ND	10 µg/Kg				
23	Dibromochloromethane	ND	20 μg/Kg				
24	Tetrachloroethene	ND	20 μg/Kg				
25	Chlorobenzene	DND	20 µg/Kg				

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director · Randy Gardner, Laboratory Manager · · Waher Hinchman, Quality Assurance Officer
Sacramento, CA · (916) 366-9089 / Las Vegas, NV · (702) 281-4848 / info@aipha-analytical com

10/5/06 Report Date



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder 4835 Longley Lane

Reno, NV 89502 Job#: 74330.02 Attn: Dave Herzog

Phone: (775) 689-7800

Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-37A

Client I.D. Number: B-11 4-5ft.

Sampled: 09/26/06

Received: 09/27/06 Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

			Reporting				Reporting
	Compound	Concentration	Limit		Compound	Concentration	Limit
1	Chloromethane	ND	80 µg/Kg	28	Ethylbenzene	ND	20 μg/Kg
2	Vinyl chloride	, ND	40 µg/Kg	27	m,p-Xylene	ND	20 µg/Kg
3	Chloroethane	: DN :	40 µg/Kg	28	Bromoform	i ND	40 μg/Kg
4	Bromomethane	, ND	160 µg/Kg	29	o-Xylene	, ND	20 µg/Kg
5	Trichlorofluoromethane	ND	40 µg/Kg	30	1.1.2.2-Tetrachioroethane	ND	40 µg/Kg
6	1,1-Dichloroethene	ND	40 µg/Kg	31	1,3-Dichlorobenzene	ND	40 µg/Kg
7	Dichloromethane	ND	160 µg/Kg	32	1,4-Dichlorobenzene	ND	40 μg/Kg
8	trans-1,2-Dichloroethene	ND	40 μg/Kg	33	1,2-Dichlorobenzene	ND	40 yg/Kg
9	1,1-Dichloroethane	ND	40 µg/Kg				
10	cis-1,2-Dichloroethene	ND	40 μg/Kg				
11	Chloroform	ND	40 μg/Kg				
12	1,2-Dichtoroethane	ND	40 μg/Kg				
13	1,1,1-Trichtoroethane	ND	40 μg/Kg				
14	Carbon tetrachloride	ND	40 μg/Kg				
15	Benzene	ND	20 μg/Kg				
16	1,2-Dichloropropane	ND	40 μg/Kg				
17	Trichtoroethene	ND	40 μg/Kg				
18	Bromodichloromethane	ND	40 µg/Kg				
19	cis-1,3-Dichloropropene	, ND	40 μg/Kg				
20	trans-1,3-Dichtoropropene	ND	40 μg/Kg				
21	1,1,2-Trichloroethane	, ND	40 μg/Kg				
22	Toluene	ND	20 μg/Kg				
23	Dibromochtoromethane	, ND	40 µg/Kg				
24	Tetrachloroethene	ND	40 µg/Kg				
25	Chlorobenzene	ND	40 μg/Kg				

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L Scholl Ph.D. Laboratory Director · Randy Gardner, Laboratory Manager · · Walter Hinchman, Quality Assurance Officer
Sacramento, CA · (916) 366-9089 / Las Vegas, NV · (702) 281 · 4848 / info@alpha-analytical com

Report Date



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ANALYTICAL REPORT

Kleinfelder

4835 Longley Lane Reno, NV 89502 Job#: 74330.02

Atm: Dave Herzog

Phone: (775) 689-7800

(775) 689-7810

Alpha Analytical Number: KLF06092756-38A

Client I.D. Number: B-11 9-10ft.

Sampled: 09/26/06

Received: 09/27/06 Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

			Reporting						Reporting
	Compound	Concentration	Limit		Compound		Concentra	ttion	Limit
1	Chloromethane	ND	40 μg/Kg	26	Ethylbenzene		ND		10 µg/Kg
2	Vinyl chloride	סא	20 µg/Kg	27	m,p-Xylene		ND		10 µg/Kg
3	Chloroethane	l ND	. 20 μg/Kg	28	8romoform		ND		20 µg/Kg
4	Bromomethane	ן מא	80 µg/Kg	29	o-Xylens		ND	•	10 µg/Kg
5	Trichlorofluoromethane	I ND	20 µg/Kg	30	1,1,2,2-Tetrachloroethane	i	ND	;	20 µg/Kg
6	1,1-Dichloroethene	. ND	20 μg/Kg	31	1,3-Dichlorobenzene	;	ND		20 μg/Kg
7	Dichloromethane	ND I	80 µg/Kg	32	1,4-Dichlorobenzene		ND	1	20 μg/Kg
8	trans-1,2-Dichloroethene	ND	20 μg/Kg	33	1,2-Dichlorobenzene	•	ND		20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg						
10	cis-1,2-Dichloroethene	ND	20 μg/Kg						
11	Chloroform	ND :	20 μg/Kg						
12	1,2-Dichloroethane	ND :	20 µg/Kg						
13	1,1,1-Trichloroethane	I ND	20 µg/Kg						
14	Carbon tetrachloride	I ND	20 μg/Kg						
15	Benzene	ND	10 µg/Kg						
16	1,2-Dichloropropane	ND I	20 μg/Kg						
17	Trichloroethene	ND '	2 0 µg/Kg						
18	Bromodichloromethane	ND	20 µg/Kg						
19	cis-1,3-Dichloropropene	ND	20 µg/Kg						
20	trans-1,3-Dichloropropene	. ND	20 µg/Kg						
21	1,1,2-Trichloroethane	ND .	20 µg/Kg						
22	Toluene	; ND	10 µg/Kg						
23	Dibromochloromethana	ND	20 µg/Kg						
24	Tetrachloroethene	ND ·	20 µg/Kg						
25	Chlorobenzene	! ND	20 µg/Kg						

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director . . Rundy Gardner, Laboratory Manager . . Walter Hinchman, Quality Assurance Officer Sacramento, CA - (916) 366-9089 / Las Vegas, NV - (702) 281-4848 / info@alpha-analytical.com

10/5/06 Report Date



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ANALYTICAL REPORT

Kleinfelder 4835 Longley Lane Reno, NV 89502 Job#: 74330.02 Attn: Dave Herzog Phone: (775) 689-7800

ax: (775) 689-7810

Alpha Analytical Number: KLF06092756-39A

Client I.D. Number: DUP5

Sampled: 09/26/06 Received: 09/27/06

Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

			Reporting						Reporting
	Compound	Concentration	Limit		Compound		Concentra	tion	Limit
1	Chloromethane	ND :	40 μg/Kg	26	Ethylbenzene		ND		10 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg	27	m,p-Xylene		ND	í	10 µg/Kg
3	Chloroethane	ND	20 µg/Kg	28	Bromoform		NĐ		20 µg/Kg
4	Bromomethane	ND	80 µg/Kg	29	o-Xylene		ND	•	10 µg/Кg
5	Trichlorofluoromethane	ND	20 µg/Kg	30	1,1,2,2-Tetrachloroethane		ND	•	20 μg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg	31	1,3-Dichlorobenzene	:	ND		20 μg/Kg
7	Dichtoromethane	ND	80 µg/Kg	32	1,4-Dichlorobenzene	j	ND	;	20 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg	33	1,2-Dichlorobenzene	1	ND	•	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg						
10	cis-1,2-Dichloroethene	ND	20 μg/Kg						
11	Chłoroform	ND ;	20 µg/Kg						
12	1,2-Dichloroethane	ND	20 µg/Kg						
13	1,1,1-Trichloroethane	ND	20 µg/Kg						
14	Carbon tetrachloride	ND !	20 µg/Kg						
15	Benzene	· ND	10 µg/Kg						
16	1,2-Dichloropropane	ND	20 µg/Kg						
17	Trichtoroethene	ND ;	20 μg/Kg						
18	Bromodichloromethane	ND	20 µg/Kg						
19	cls-1,3-Dichloropropene	ND	20 µg/Kg						
20	trans-1,3-Dichloropropene	ND	20 µg/Kg						
21	1,1,2-Trichloroethane	ND	20 µg/Кg						
22	Toluene	ND !	10 µg/Kg						
23	Dibramochloromethane	ND .	20 µg/Kg						
24	Tetrachloroethene	ND :	20 µg/Kg						
25	Chlorobenzene	ND j	20 μg/Kg						

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Kandy Santur Water Hinchman, Quality Assurance Officer
Roger L. Scholl, Ph. D., Laboratory Director · Randy Gardner, Laboratory Manager · · Water Hinchman, Quality Assurance Officer

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10/5/06 Report Date



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Date: 27-Oct-06	OC Summary Report								
Method Blank File ID: 102306.B\073AICB.D\ Sample ID: MB-15913 Analyte	Units: mg/Kg Run ID: ICP/MS_061023B Prep Date: 1 Result PQL SpkVal SpkRefVal %REC LowLimit HighLimit RPDRefVa	10/23/2006 16:07 0/21/2006 al %RPD(Limit) Qual							
Lead (Pb)	ND 1								
Laboratory Control Spike File ID: 102306.B\074ALCS.D\ Sample ID: LCS-15913	Units: mg/Kg Run ID: ICP/MS_061023B Prep Date: 1	10/23/2006 16:12 0/21/2006							
Analyte	Result' PQL SpkVal SpkRefVal %REC LowLimit HighLimit RPDRefVa	al %HPD(Limit) Qual							
Lead (Pb)	22 1 25 88 82 122	 							
Sample Matrix Spike File ID: 102308.B\087MSL.D\ Sample ID: 06102022-07AMS Analyte	•	10/23/2006 17:15 0/21/2006 al %RPD(Limit) Qual							
Lead (Pb)	27.1 1 25 3.802 93 66 137								
Sample Matrix Spike Duplicate File ID: 102306.B\088MSDL.D\ Sample ID: 06102022-07AMSD	Units: mg/Kg Run ID: ICP/MS_061023B Prep Date: 1	0/23/2006 17:19 0/21/2006							
Analyte Lead (Pb)	Result PQL SpkVal SpkRefVal %REC LowLimit HighLimit RPDRefVal 27.7 1 25 3.802 96 66 137 27.07	al %RPD(Limit) Qual 2.3(22)							

Comments:



Date: _ 27-Oct-06	(OC Sumr	nary I	Report			Work Order: 06092756
Method Blank		Type MBLK		Code: EPA Meth			00/00/0000 10:22
File ID: 06092807.D	l luita a comitte	Zar Dum I		ID: MS15S5695	А	•	09/28/2006 10:33
Sample ID: MBLK MS15S5695A	Units : μg/K			15_060928A	المدا فيده	Prep Date:	09/28/2008
Analyte	Result		kvai Sp	KHerval %HEC	LOWLIMI	HIGNLIMIT HPUHEI	Val %RPD(Limit) Qual
Chloromethane	ND	40					
Vinyl chloride	ND ND	20 20					
Chloroethane Bromomethane	ND	40					
Trichlorofluoromethane	ND	20					
1,1-Dichloroethene	ND	20					
Dichloromethane	ND	40					
trans-1,2-Dichloroethene	ND	20					
1,1-Dichloroethane	ND	20					
cls-1,2-Dichloroethene	ND ND	20 20					
Chloroform 1,2-Dichloroethane	ND	20 20					
1,1,1-Trichloroethane	ND	20					
Carbon tetrachloride	ND	20					
Benzene	ND	5					
1,2-Dichloropropane	ND	20					
Trichloroethene	ND	20					
Bromodichloromethane	ND	20					
cis-1,3-Dichloropropene	ND ND	20 20					
trans-1,3-Dichloropropene 1,1,2-Trichloroethane	ND ND	20					
Toluene	ND	5					
Dibromochloromethane	ND	20					
Tetrachloroethene	ND	20					
Chlorobenzene	ND	20					
Ethylbenzene	ND	5					
m,p-Xylene	ND	5					
Bromoform o-Xylene	ND ND	20 5					
1,1,2,2-Tetrachloroethane	ND	20					
1,3-Dichlorobenzene	ND	20					
1,4-Dichlorobenzene	ND	20					
1,2-Dichlorobenzene	ND	20					
Surr: 1,2-Dichloroethane-d4	213		200	107	68	119	
Surr: Toluene-d8	195		200	97 94	84 72	116 118	
Surr: 4-Bromofluorobenzene	187		200	94	12	110	
Laboratory Control Spike		Type LCS	Test	Code: EPA Met h	od SW8		
File ID: 06092805.D			Batch	ID: MS15S5695	īΑ	Analysis Date:	09/28/2006 09:48
Sample ID: LCS MS15S5695A	Units : µg/K	i g Runi	ID: MSD	_15_060928A		Prep Date:	09/28/2006
Analyte	Result	PQL Sp	kVai Sp	kRefVal %REC	LowLimit	t HighLimit RPDRei	Val %RPD(Limit) Qual
Benzene	473	10	400	118	58	147	
Toluene	431	10	400	108	58	148	
Ethylbenzene	439	10	400	110	59	151	
m.p-Xylene	474	10	400	119	60	155	
o-Xylene	477	10	400	119	62	155	
Surr: 1,2-Dichloroethane-d4	433		400	108	68 84	119	
Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	369 389		400 400	92 97	72	116 118	
	000						
Sample Matrix Spike		Type MS		Code: EPA Meti			00/00/0000 40.00
File ID: 06092811.D				ID: MS15S5895	ж	•	09/28/2006 12:03
Sample ID: 08092756-04AMS	Units : µg/K			_15060928A		Prep Date:	09/28/2006
Analyte	Result	PQL Sp	kVal Sp	kRefVal %REC	LowLimit	t HighLimit RPDRei	Val %RPD(Limit) Qual
Benzene	551	20	800	0 69	30	151	
Toluene	505	20	800	0 63	25	159	
Ethylbenzene	507	20	800	0 63	27	161	
m,p-Xylene	547	20	800	0 68	22	170	
o-Xylene	552 849	20	800 800	0 69 106	22 68	171 119	
Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8	766		800	96	84	116	
Surr: 4-Bromofluorobenzene	776		800	97	72	118	
Surr: 4-Bromonuoropenzene	//0		טטט	97	12	110	



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Date: 27-Oct-06		QC Su	mmar			Work Order: 06092756					
Sample Matrix Spike Duplicate File ID: 06092812.D Sample ID: 06092756-04AMSD	Units : μg/l								Analysis Date: 09/28/2006 12:25 Prep Date: 09/28/2008		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLlmit	RPDRefVal	%RPD(Limit) Qua		
Benzene	517	20	800	0	65	30	151	550.7	6.4(37)		
Toluene	470	20	800	0	59	25	159	505.4	7.4(40)		
Ethylbenzene	478	20	800	0	60	27	161	507.5	6.0(39)		
m.p-Xylene	499	20	800	0	62	22	170	546.5	9.2(40)		
o-Xylene	515	20	800	0	64	22	171	551.6	6.9(41)		
Surr: 1,2-Dichloroethane-d4	848		800		106	68	119		• •		
Surr: Toluene-d8	769		800		96	84	116				
Surr: 4-Bromofluorobenzene	783		800		98	72	118				

Comments:



Date; 27-Oct-06	(OC S	umma	ry Repo	rt			Work Order: 06092756
Method Blank		Type N	ABLK	Test Code: E	PA Me	hod SW8	260B	
File ID: C:\HPCHEM\MS07\DATA\060929\0	6092912.D			Batch ID: MS	078569	7A	Analysis Date:	09/29/2006 12:29
Sample ID: MBLK MS07S5697A	Units : µg/K	9	Run ID:	MSD_07_060	928C		Prep Date:	09/29/2008
Analyte	Result	PQL	SpkV	al SpkRefVal	%REC	LowLimit	HighLimit RPDRef	Val %RPD(Limit) Qual
Chloromethane	ND	40)					· · · · · · · · · · · · · · · · · · ·
Vinyl chloride	ND	20						
Chloroethane Bromomethane	ND ND	20						
Trichlorofluoromethane	ND ND	40 20						
1,1-Dichloroethene	ND	20						
Dichloromethane	ND	40)					
trans-1,2-Dichloroethene	ND	20						
1,1-Dichloroethane cis-1,2-Dichloroethene	ND ND	20						
Chloroform	ND	20 20						
1,2-Dichloroethane	ND	20						
1,1,1-Trichloroethane	ND	20						
Carbon tetrachloride	ND	20						
Benzene	ND	5						
1,2-Dichloropropane Trichloroethene	ND ND	20 20						
Bromodichloromethane	ND	20						
cis-1,3-Dichloropropene	ND	20						
trans-1,3-Dichloropropene	ND	20						
1,1,2-Trichloroethane	ND	20						
Toluene	ND	5						
Dibromochloromethane Tetrachloroethene	ND	20						
Chlorobenzene	ND ND	20 20						
Ethylbenzene	ND	5						
m,p-Xylene	ND	5						
Bromoform	ND	20						
o-Xylene	ND	5						
1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene	ND ND	20 20						
1,4-Dichlorobenzene	ND	20						
1,2-Dichlorobenzene	ND	20						
Surr: 1,2-Dichloroethane-d4	193		20)	96	68	119	
Surr. Toluene-d8	201		20	-	101	84	116	
Surr: 4-Bromofluorobenzene	192		20)	96	72	118	
Laboratory Control Spike		Type L	CS T	Test Code: El	PA Met	hod SW82	80B	
File ID: C:\HPCHEM\MS07\DATA\060929\06	3092913.D		1	Batch ID: MS ()7S589	7A	Analysis Date:	09/29/2006 12:51
Sample ID: LCS MS07S5697A	Units : µg/Kg	l	Run ID: I	ASD_07_060	928C		Prep Date:	09/29/2006
Analyte	Result	PQL	SpkVa	l SpkRefVal	%REC	LowLimit	HighLimit RPDRef\	/al %RPD(Limit) Qual
Benzene	394	10	40)	99	58	147	
Toluene	390	10			98	58	148	
Ethylbenzene	404	10			101	59	151	
m,p-Xylene o-Xylene	421 395	10 10			105 99	60 62	155 155	
Surr: 1,2-Dichloroethane-d4	377	10	400		94	68	119	
Surr: Toluene-d8	415		400		104	84	116	
Surr: 4-Bromofluorobenzene	381		400)	95	72	118	
Sample Matrix Spike		Туре М	s ·	Fest Code: El	PA Meti	hod SW82	60B	_
File ID: C:\HPCHEM\MS07\DATA\060929\06	092915.D		I	Batch ID: MS0	78569	7A	Analysis Date:	09/29/2008 13:38
Sample ID: 06092756-12AMS	Units : µg/Kg		Run ID: N	ISD_07_0809	928C		Prep Date:	09/29/2006
Analyte	Result	PQL	SpkVa	l SpkRefVal	%REC	LowLimit	HighLimit RPDRef\	/al %RPD(Limit) Qual
Benzene	359	10			90	30	151	_
Toluene	365	10			91	25	159	
Ethylbenzene m,p-Xylene	380 401	10 10	400 400		95 100	27 22	161 170	
o-Xylene	368	10	400		92	22 22	170	
Surr: 1,2-Dichloroethane-d4	359		400		90	68	119	
Surr: Toluene-d8	417		400)	104	84	116	
Surr: 4-Bromofluorobenzene	373		400)	93	72	118	



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Date: 27-Oct-06		OC Su	mmar	y Repor			Work Order 06092756		
Sample Matrix Spike Duplicate File ID: C:\HPCHEM\MS07\DATA\06092 Sample ID: 06092756-12AMSD	Type MS Kg F	В	est Code: El atch ID: MS0 SD_07_060	250B Analysis Date: 09/29/2006 14:0 Prep Date: 09/29/2006					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	•		%RPD(Limit) Qu
Benzene	277	10	400	0	69	30	151	359.3	26.0(37)
Toluene	279	10	400	0	70	25	159	365.2	26.9(40)
Ethylbenzene	288	10	400	0	72	27	161	380.5	27.6(39)
m,p-Xylene	300	10	400	0	75	22	170	401	28.8(40)
o-Xylene	273	10	400	0	68	22	171	367.9	29.5(41)
Surr: 1,2-Dichloroethane-d4	360	*	400		90	68	119		
Surr: Toluene-d8		400		105	84	116			
Surr: 4-Bromofluorobenzene	379		400		95	72	118		

Comments



Date; 27-Oct-06		OC S	umma	ry Repoi	t			Work Order: 06092756
Method Blank		Type N	IBLK	Test Code: E	PA Met	hod SW82	60B	
File ID: C:\HPCHEM\MS07\DATA\060929\0	6092948.D			Batch ID: MS	078569	8A	Analysis Date:	09/30/2006 02:02
Sample ID: MBLK MS07S5698A	Units : µg/k	-		MSD_07_060			Prep Date:	09/30/2006
Analyte	Result	PQL	SpkV	al SpkRefVal	%REC	LowLimit	HighLimit RPDRef	/al %RPD(Limit) Qual
Chloromethane	ND	40						
Vinyl chloride	ND	20						
Chloroethane Bromomethane	ND ND	20 40		•				
Trichlorofluoromethane	ND	20						
1,1-Dichloroethene	ND	20						
Dichloromethane	ND	40						
trans-1,2-Dichloroethene	ND	20						
1,1-Dichloroethane cls-1,2-Dichloroethene	ND ND	20 20						
Chloroform	ND	20						
1,2-Dichloroethane	ND	20						
1,1,1-Trichloroethane	ND	20						
Carbon tetrachloride	ND	20						
Benzene	ND	5						
1,2-Dichloropropane Trichloroethene	ND ND	20 20						
Bromodichloromethane	ND	20						
cis-1,3-Dichioropropene	ND	20						
trans-1,3-Dichloropropene	ND	20						
1,1,2-Trichloroethane	ND	20						
Toluene	ND	5						
Dibromochioromethane Tetrachioroethene	ND ND	20 20						
Chlorobenzene	ND	20						
Ethylbenzene	ND	5						
m,p-Xylene	ND	5						
Bromoform	ND	20						
o-Xylene	ND	5						
1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene	ND ND	20 20						
1,4-Dichlorobenzene	ND	20						
1,2-Dichlorobenzene	ND	20						
Surr: 1,2-Dichloroethane-d4	187		20		93	68	119	
Surr: Toluene-d8	206		20	-	103	84	116	
Surr: 4-Bromofluorobenzene	187		20		94	72	118	
Laboratory Control Spike		Type L		Test Code: El				
File ID: C;\HPCHEM\MS07\DATA\080929\0	6092949.D			Batch ID: MS	0785698	BA	Analysis Date:	09/30/2006 02:24
Sample ID: LCS MS07S5898A	Units : µg/K	•		MSD_07_060			Prep Date:	09/30/2006
Analyte	Result	PQL	SpkVa	l SpkRefVal	%REC	LowLimit	HighLimit RPDRef\	/al %RPD(Limit) Qual
Benzene	357	10			89	58	147	
Toluene	351	10			88	58	148	
Ethylbenzene m.p-Xylene	361 378	10 10			90 95	59 60	151 155	
o-Xylene	378 351	10			88	62	155	
Surr: 1,2-Dichloroethane-d4	370		40		92	68	119	
Surr. Toluene-d8	411		40	0	103	84	116	
Surr: 4-Bromofluorobenzene	381		40	0	95	72	118	
Sample Matrix Spike		Туре М	S	Test Code: El	PA Meti	nod SW826	50B	
File ID: C:\HPCHEM\MS07\DATA\060929\04	6092950.D		l	Batch ID: MS (755698	3A	Analysis Date:	09/30/2005 02:47
Sample ID: 06092756-32AMS	Units : μg/K	g	Run ID: I	VISD_07_0609	929A		Prep Date:	09/30/2006
Analyte	Result	POL	SpkVa	l SpkRefVal	%REC	LowLimit I	HighLimit RPDRef\	/al %RPD(Llmit) Qual
Benzene	366	10	40	0 0	92	30	151	
Toluene	366	10		0 0	92	25	159	
Ethylbenzene	382	10	40		96	27	161	
m,p-Xylene	398 373	10 10	40 40		99.5 93	22 22	170 171	
o-Xylene Surr: 1,2-Dichloroethane-d4	373 366	10	40 40		93 91	68	1/1	
Surr: Toluene-d8	415		40		104	84	116	
Surr: 4-Bromofluorobenzene	378		40		95	72	118	



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Date: 27-Oct-06		OC Su	mmar	y Repor			Work Order 06092756			
Sample Matrix Spike Duplicate File ID: C:\HPCHEM\MS07\DATA\06092 Sample ID: 06092756-32AMSD	7\DATA\060929\06092951.D Batch ID: MS07S5698A Analysis Date: 0									
Analyte	Result	PQL				LowLimit	•		I %RPD(Limit) Qu	
Benzene	361	10	400	0	90	30	151	366.2	1.5(37)	
Toluene	360	10	400	0	90	25	159	366.4	1.7(40)	
Ethylbenzene	373	10	400	0	93	27	161	382.3	2.5(39)	
m,p-Xylene	389	10	400	0	97	22	170	398	2.3(40)	
o-Xylene	366	10	400	. 0	92	22	171	373.2	1.9(41)	
Surr: 1,2-Dichloroethane-d4	361		400		90	68	119		,	
Surr: Toluene-d8	412		400		103	84	116			
Surr: 4-Bromofluorobenzene	381		400		95	72	118			

Comments:



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Date: 27-Oct-06		C	C Sı	ummar	y Repor	t				Work Order: 06092756
Method Blar File ID: Sample ID: Analyte	nk MBLK-15703	Units : mg/L Resuit	Type M	Ba Run ID: Fl	est Code: El atch ID: 1570 D_3_060928 SpkRefVal	03 8A		Analys Prep I	Date:	09/28/2006 15:16 09/28/2006 /al %RPD(Limit) Qual
TPH-E (Diesel) TPH-E (Oil) Surr: Nonane		ND ND 78.5	5 10			78	47	141		
File ID: Sample ID:	Control Spike LCS-15703	Units : mg/Ks	•	Bar ID: FI	est Code: Ef atch ID: 157(D_3_060928)3 A		Analys Prep I	Date:	09/28/2006 14:43 09/28/2006
Analyte TPH-E (DRO) Surr: Nonane		Result 106 129	PQL 10	100 100		106 129	68 48	128 142	HPDHeN	/al %RPD(Limit) Qual
Sample Mata File ID: Sample ID: Analyte	rix Spike 06092756-20AMS	Units : mg/Kç Result	Type M ; PQL	Ba Run ID: Fil	est Code: Ef atch ID: 1570 D_3_060928 SpkRefVal)3 BA		Analys Prep I	Date:	09/29/2006 05:11 09/28/2006 /al %RPD(Limit) Qual
TPH-E (DRO) Surr: Nonane		102 74	10	-	6	96 74	53 48	153 142		
Sample Matr File ID: Sample ID: Analyte	rix Spike Duplicate 06092758-20AMSD	Units : mg/Kg Result	Type M J PQL	Ba Run ID: FII	est Code: Ef atch ID: 1570 D_3_060928 SpkRefVal)3 A		Analys Prep D	Date:	09/29/2006 05:45 09/28/2008 /al %RPD(Limit) Qual
TPH-E (DRO) Surr: Nonane		98.2 67.4	10		6	92 67	53 48	153 142	101.9	

Comments:



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Date: 27-Oct-06		(OC S	ummar	y Repo	rt				Work Order: 06092756
Method Blar File ID:	ık		is Date:	09/28/2006 15:46						
Sample ID: Analyte	MBLK-15704	Units : mg/K Result	g PQL		D_2_06092 SpkRefVal		C LowLimit	Prep D HighLimit F		09/28/2006 /al %RPD(Limit) Qual
TPH-E (Diesel) TPH-E (Oil) Surr: Nonane		ND ND 121	10		- ···	121	48	142		-
	Control Spike		Type L		est Code: E		thod SW8			
File ID; Sample ID; Analyte	LCS-15704	Units : mg/K Result	g PQL	Run ID: FI	atch ID: 157 D_2_06092 SpkRefVal	8A	: LowLimit	Prep Da	ate:	09/28/2006 15:15 09/28/2006 /al %RPD(Limit) Qual
TPH-E (DRO) Surr: Nonane		93 120	10	100 100		93 120	68 48	128 142		
Sample Matr File ID:	ix Spike		Type N		est Code: E		hod SW80		s Date:	09/28/2006 17:20
Sample ID: Analyte	06092756-22AMS	Units : mg/K Result	g PQL		D_2_06092 SpkRefVal		LowLimit	Prep Da	ate:	09/28/2006 al %RPD(Limit) Qual
TPH-E (DRO) Surr: Nonane		107 119	10	**-	8.7		53 48	153 142		
	ix Spike Duplicate		Type N		est Code: E		hod SW80	• • =		
File ID: Sample ID: Analyte	06092756-22AMSD	Units : mg/K Result	g PQL	Run ID: Fil	atch ID: 1 57 D_2_06092 SpkRefVal	BA	LowLimit	Prep Da	ate: (09/28/2006 17:52 09/28/2006 al %RPD(Limit) Qual
TPH-E (DRO) Surr: Nonane		99.8 121	10		8.7	91 121	53 48	153 142	107.4	

Comments:



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Date: 27-Oct-06		(OC S	ummar	y Repor	t				Work 0 06092	
Method Blan	nk		Type N	IBLK Te	est Code: Ei	PA Met	hod SW8	015			
File ID:				Ba	tch ID: 157	06		Analy	sis Date:	09/29/2006 10:	17
Sample ID:	MBLK-15706	Units : mg/K	g	Run ID: FI	D_4_060928	3B		Prep	Date:	09/28/2006	
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRef\	/al %RPD(Llmit) Qual
TPH-E (Diesel) TPH-E (Oil)		ND ND	5 10			93	48	142			
Surr: Nonane		92.6									
	Control Spike		Type L		est Code: El		hod SW8				
File ID:					tch ID: 157			•		09/29/2006 10:	53
Sample ID:	LCS-15706	Units : mg/K	•		0_4_06092			Prep		09/28/2008	
Analyte		Result	PQL.	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRef\	/al %RPD(Limit) Qual
TPH-E (DRO)		87.5	10			87	68	128			
Surr: Nonane	<u>.</u>	95.2		100		95	48	142			
Sample Mati	rix Spike		Type N	IS Te	est Code: El	PA Met	hod SW8	015			
File ID:				Ba	tch ID: 157	D6		Analy	sis Date:	09/29/2006 15:	43
Sample ID:	06092756-49AMS	Units : mg/K	g	Run ID: FII	D_4_060926	3B		Prep	Date:	09/28/2008	
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRef\	/al %RPD(Limit) Qual
TPH-E (DRO)		135	10	100	200	-65	53	153			M50
Surr: Nonane		67.3		100		67	48	142			
Sample Mate	rix Spike Duplicate		Type N	ISD Te	est Code: El	PA Met	hod SW8	015			
File ID:	порто в причин			Ba	tch ID: 157	06		Analy	sis Date:	09/29/2006 16:	:18
Sample ID:	08092756-49AMSD	Units : mg/k	a	Run ID: FII	D_4_060920	3B		Prep	Date:	09/28/2008	
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRef\	/al %RPD(Limit) Qual
TPH-E (DRO)	······································	124	10		200		53	153	135.2		M50
Surr: Nonane		68.7	,-	100		69	48	142			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M50 = Matrix spike recovery was below laboratory acceptance limits and is likely due to sample non-homogeneity. The laboratory control sample recovery was acceptable.



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Date: 27-Oct-06	OC S	Summar	y Report			Work Order: 06092756
Method Blank File ID: C:\HPCHEM\MS07\DATA\060929\0609291			est Code: EPA Meti atch ID: MS07S5697			09/29/2006 12:29
Sample ID: MBLK MS07S5697B Units	s:mg/Kg	Run ID: M	SD_07_060928C		Prep Date:	09/29/2006
Analyte Re	sult PQL	. SpkVal	SpkRefVal %REC	LowLimit	HighLimit RPDRef\	/al %RPD(Limit) Qual
TPH-P (Purgeable) ND		1			445	
	193	0.2	96 101	68 84	119 116	
24 10.00.00	201 192	0.2 0.2	96	84 72	118	
Laboratory Control Spike	Type		est Code: EPA Met l atch ID: MS07S569 7			09/29/2006 13:14
File ID: C:\HPCHEM\MS07\DATA\060929\0609291				ь	•	09/29/2008
	s:mg/Kg		SD_07_060928C	Loud Insit		/al %RPD(Limit) Qual
7 7	suit PQL					rai zerii D(Liinii) Goai
1, 11 1 (, alpha-10)	14.5 375	2 16 0.4	90 94	60 68	153 119	
	401	0.4	100	84	116	
	389	0.4	97	72	118	
Sample Matrix Spike	Type	MS T	est Code: EPA Meti	od SW80	15B	
File ID: C:\HPCHEM\MS07\DATA\060929\0609291			atch ID: MS07S569 1	7B	Analysis Date:	09/29/2006 14:22
	s:mg/Kg	Run ID: M	SD_07_060928C		Prep Date:	09/29/2006
•	sult PQL	. SpkVal	SpkRefVal %REC	LowLimit	HighLimit RPDRef	/al %RPD(Limit) Qual
TPH-P (Purgeable)	7,42	2 16	0 46	8	177	
Surr: 1,2-Dichloroethane-d4 0.	357	0.4	89	68	119	
	408	0.4	102	84	116	
Surr: 4-Bromofluorobenzene 0.	384	0.4	96	72	118	
Sample Matrix Spike Duplicate	Туре	MSD T	est Code: EPA Meti	nod SW80		
File ID: C:\HPCHEM\MS07\DATA\060929\0609291	B.D	В	atch ID: MS07S569 1	7B	•	09/29/2006 14:45
Sample ID: 06092756-12AGSD Units	s:mg/Kg		SD_07_060928C		Prep Date:	09/29/2006
Analyte Re	sult PQL	. SpkVal	SpkRefVal %REC	LowLimit	HighLimit RPDRef	Val %RPD(Limit) Qual
II II (I di Monore)	8.95	2 16	0 56	8	177 7.42	1 18.7(45)
• · · · · · · · · · · · · · · · · · · ·	364	0.4	91	68	119	
	405	0.4	101	84	116	
Surr: 4-Bromofluorobenzene 0	.377	0.4	94	72	118	

Comments:



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Date: 27-Oct-06	QC St	ımmary	Report			Work Order: 06092756
Method Blank File ID: C:\HPCHEM\MS07\DATA\060929\06092948.D	Туре М		st Code: EPA Meti			09/30/2006 02:02
	/ <i>l</i> /		D_07_060929A) (Prep Date:	09/30/2006
Sample ID: MBLK MS07S5698B Units : m Analyte Result				tioni luo t	•	/al %RPD(Limit) Qual
	1		SPRITEIVAL 7011EO	LOTTLITTIE	rigitallite in Ditor	var zorn Dichnity dour
TPH-P (Purgsable) ND Surr: 1,2-Dichloroethane-d4 0.187	•	0.2	93	68	119	
Surr: Toluene-d8 0.206		0,2	103	84	116	
Surr: 4-Bromofluorobenzene 0.187		0.2	94	72	118	
Laboratory Control Spike	Type L	CS Te	st Code: EPA Meti	od SW80	15B	
File ID: C:\HPCHEM\MS07\DATA\060929\06092952.D		Bat	tch ID: MS07S569 8	3B	Analysis Date:	09/30/2006 03:32
Sample ID: GLCS MS07S5698B Units : m	ng/Kg	Run ID: MS	D_07_060929A		Prep Date:	09/30/2008
Analyte Result	PQL	SpkVal :	SpkRefVal %REC	LowLimit	HighLimit RPDRef	Val %RPD(Limit) Qual
TPH-P (Purgeable) 13	2	16	81	- 60	153	
Surr. 1,2-Dichloroethane-d4 0.365		0.4	91	68	119	
Surr: Toluene-d8 0.404		0.4	101	84	116	
Surr: 4-Bromofluorobenzene 0.384		0.4	96	72	118	
Sample Matrix Spike	Type M	S Te	st Code: EPA Meti	od SW80		
File ID: C:\HPCHEM\MS07\DATA\060929\06092953.D		Bat	ich ID: MS07S569 8	BB	•	09/30/2006 03:54
Sample ID: 06092756-32AGS Units : m	ng/Kg		D_07_060929A		Prep Date:	09/30/2006
Analyte Result	PQL	SpkVal :	SpkRefVal %REC	LowLimit	HighLimit RPDRef	Val %RPD(Limit) Qual
TPH-P (Purgeable) 12.3			0 77	8	177	
Surr: 1,2-Dichloroethane-d4 0.362		0.4	91	68	119	
Surr: Toluene-d8 0.405		0.4	101	84	116	
Surr: 4-Bromofluorobenzene 0.383		0.4	96	72	118	
Sample Matrix Spike Duplicate	Type M		st Code: EPA Me th			
File ID: C:\HPCHEM\MS07\DATA\060929\06092954.D		Bat	tch ID: MS07S5698	3B	•	09/30/2006 04:17
Sample ID: 06092756-32AGSD Units: m	ng/Kg		D_07_060929A		Prep Date:	09/30/2006
Analyte Result	PQL	SpkVal :	SpkRefVal %REC	LowLimit	HighLimit RPDRef	Val %RPD(Limit) Qual
TPH-P (Purgeable) 12.6			0 79	8	177 12.3	2 2.2(45)
Surr: 1,2-Dichloroethane-d4 0.363		0.4	91	68	119	
Surr: Toluene-d8 0.407		0.4	102	84	116	
Surr: 4-Bromofluorobenzene 0.384		0.4	96	72	118	

Comments:



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Date: 27-Oct-06	OC :	ummary Repor	t		Work Order: 06092756
Method Blank File ID: 06092807.D Sample ID: MBLK MS15S5695B Analyte	Type Units: mg/Kg Result PQL	Batch ID: MS Run ID: MSD_15_060	928A	Analysis Date: Prep Date:	09/28/2006 10:33 09/28/2006 /al %RPD(Limit) Qual
TPH-P (Purgeable) Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	ND 0.213 0.195 0.187	0.2 0.2 0.2 0.2	107 68 97 84 94 72	119 116 118	
Laboratory Control Spike File ID: 06092806.D Sample ID: GLCS MS15S5695B	Type Units : mg/Kg	LCS Test Code: E Batch ID: MS Run ID: MSD_15_060			09/28/2006 10:11 09/28/2006
Analyte TPH-P (Purgeable)	Result PQL				Val %RPD(Limit) Qual
Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	0.433 0.382 0.38	0.4 0.4 0.4	108 68 96 84 95 72	119 116 118	
Sample Matrix Spike File ID: 06092813.D	Туре	Batch ID: MS		Analysis Date:	09/28/2006 12:48
Sample ID: 06092756-04AGS Analyte	Units : mg/Kg Result PQL	Run ID: MSD_15_060 SpkVal SpkRefVal		Prep Date: HighLimit RPDRef	09/28/2006 Val %RPD(Limit) Qual
TPH-P (Purgeable) Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	17.1 0.835 0.781 0.785	4 32 0 0.8 0.8 0.8	54 8 104 68 98 84 98 72	177 119 116 118	
Sample Matrix Spike Duplicate	Туре	MSD Test Code: E Batch ID: MS	PA Method SW80		09/28/2006 13:10
File ID: 06092814.D Sample ID: 06092756-04AGSD Analyte	Units : mg/Kg Result PQL	Run ID: MSD_15_060	928A	Prep Date:	09/28/2006 Val %RPD(Limit) Qual
TPH-P (Purgeable) Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	16.1 0.833 0.778 0.777	4 32 0 0.8 0.8 0.8		177 17.18 119 116 118	

Comments:

Billing Information: K-UISL	Alpha Ana	Alpha Analytical, Inc.	Which State?
Address	Sparks, Nevada 89431-5778	la 89431-5778	OTHER Page # 1, of
City, State, Zip	Phone (775) 355-1044 Fax (775) 355-0406	(3	Analyses Required / 11422
	P.O.#	75,230.62	
Address	EMail Address		A
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ADDITIONAL INSTRUCTIONS:			
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*Key: AQ - Aqueous SO - Soil WA - Waste	OT - Other	r V-Voa S-Soii Jar O-Orbo T-T	T-Tedlar B-Brass P-Plastic OT-Other
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to disposed or at client expense. The report for the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.	ted unless other arrangements are made. He lived by the laboratory with this coc. The lia	Hazardous samples will be retumed to client of disability of the laboratory is limited to the amount p	sposed of at client expense. The report for me arrany aid for the report.

				Samples Collected From Which State?	n Which State?	
Billing information:		Alpha Analytical, Inc.	al, Inc.	AZ CA X NV	WA	27.15
Address		Sparks, Nevada 89431-5778	1-5778	D OR OTHER		Page # Cot
City, State, Zip	(1),	Phone (775) 355-1044	4		- de la constitución de la const	17/1/
Phone Number Fax		Fax (775) 355-0406		Alialyses nequired		r - -
Client Name	P.O. #	2430.	7		Ped / / Red	Required QC Level?
Address	EMail Address			10/0/0/	' / /	N III II
City, State, Zip	Phone #	Fax#		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	03/003/	EDO/EDF? YESNO
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*Key: AQ. * Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report. OT-Other T-Tedlar

Received by

Billing Information:		Alpha Analytical, Inc.	Samı	ples Co	llected Fron	Samples Collected From Which State?	72
Name [LONFEWS!		255 Glendale Avenue, Suite 21	9	OR	1 1		Page # 2 of /
Address City, State, Zip		Sparks, Nevada 89431-5778 Phone (775) 355-1044 Fax (775) 355-0406	_		Analyses Required		17416
	P,O. #	# dop #		-		/ / Re	Required QC Level?
Address	EMail Address			/	_	- -	VI III II
City, State, Zip	Phone #	Fax#				ED0/E	EDO/EDF? YES NO
The Moskuth	Report Agention & Herra	Total	Total and type of	(2) (2)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Globel ID e	
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NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the anove samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report. P-Plastic B-Brass T-Tedlar O-Orbo OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar WA - Waste SO - Soil *Key: AQ - Aqueous

Billing Information	Billing Information:	Alp	Alpha Analytical, Inc.	X vs	IV WA	N
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